

Feature

- ※ High gain
- ※ Omani-directional
- ※ Wide bandwidth

Application

※ GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8

LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28/B38/B40/B41/B66/B42

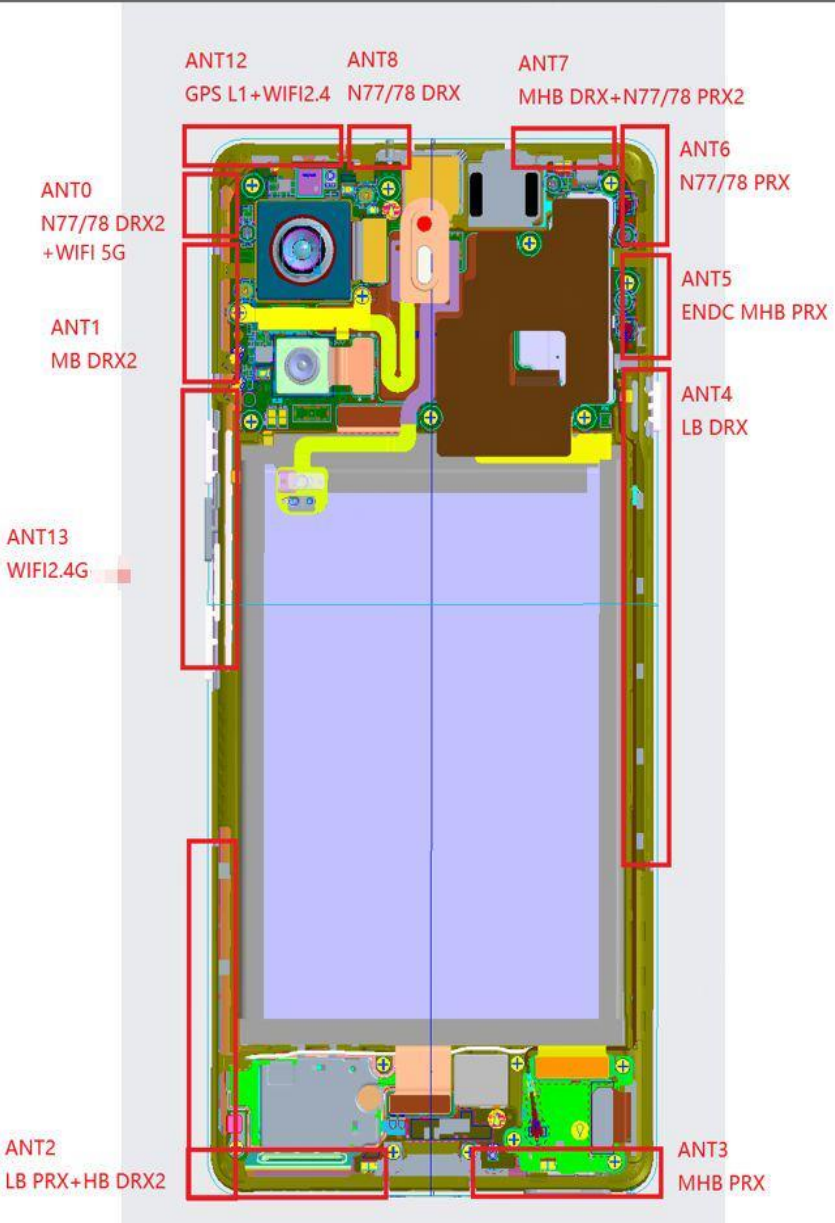
NR Mode N1/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N66/N71/N77/N78

Name and address of the antenna manufacturer	Model number of the antenna
Shenzhen Weichuang Communication Technology Co. Ltd 2nd Floor, Building 8, Tongfu Village Industrial Zone, Shiwa, Dalang Street, Longhua New District, Shenzhen, Guangdong Province	Metal frame project cellular antenna without silk screen NFC 丝印: LJ8-NFC-TC-WTT-XX-XX

TYPE		
Transmitter Frequency		GSM 850/WCDMA B5/LTE B5 NR n5: 824 – 849 MHz
		GSM 900/WCDMA B8/LTE B8 NR n8: 880 – 915 MHz
		DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: 1710 – 1785 MHz
		PCS/WCDMA B2/LTE B2:1850-1910MHz
		WCDMA B1/LTE B1 NR n1: 1920 – 1980MHz
		LTE B7 NR n7:2496-2565MHz
		LTE B40 NR n40:2300-2400MHz
		LTE B38/B41 NR n38/n41:2565-2645MHz
		LTE B20 NR n20:832-862MHz
		LTE B12/B17/B28 NR n12/n28:710-755MHz
		LTEB42 NR n77/n78:3300-4200MHz
Receiver Frequency		GSM 850/WCDMA B5/LTE B5 NR n5: 869 – 894 MHz
		GSM 900/WCDMA B8/LTE B8 NR n8: 925 – 960 MHz
		DCS/LTE B3/B66 NR n3/n66: 1805 – 1880 MHz
		WCDMA 4/LTE B4 NR n4: 2110-2155 MHz
		PCS/WCDMA B2/LTE B2:1930-1990MHz
		WCDMA B1/LTE B1 NR n1: 2110 – 2170MHz
		LTE B7 NR n7:2620-2690MHz
		LTE B40 NR n40:2300-2400MHz
		LTE B38/41 NR n38/n41:2565-2645MHz
		LTE B20 NR n20:791-821MHz
		LTE B12/B17/B28 NR n12/n28:758-803MHz
		LTEB42 NR n77/n78:3300-4200MHz
RF-Output Power (E.I.R.P)		GSM850/900: 32+/-2dBm
		DCS/PCS: 30+/-2dBm
		LTE B1/B2/B3/ B4/B5 /B7/B8/B17/B20/B28/B38/B40/B41/B66: 23+/-2dBm
		WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
	ANT0	LTEB42 NR n77/n78: -6.69
		WiFi5G:-3
	ANT2	GSM 850/WCDMA B5/LTE B5 NR n5:-6.2
		GSM 900/WCDMA B8/LTE B8 NR n8:-7.77
		LTE B12/B17 NR n12:-14.28

Antenna Gain		LTE B28NR n28:-6.09
		LTE B20 NR n20:-6.6
		LTE B7 NR n7:-5.06
		LTE B40 NR n40:-4.57
		LTE B38/41 NR n38/n41:-4.97
		NR n71:-8.56
	ANT3	WCDMA B1/LTE B1 NR n1: -2.08
		PCS/WCDMA B2/LTE B2:-1.87
		DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66:-3.04
		LTE B7 NR n7:-1.90
		LTE B40 NR n40:-2.25
		LTE B41/B38 NR n41/n38:-2.01
	ANT4	GSM 850/WCDMA B5/LTE B5 NR n5: -6.02
		GSM 900/WCDMA B8/LTE B8 NR n8: -11.49
		LTE B12/B17/B28 NR n12/n28:-5.8
		LTE B20 NR n20:-7.94
	ANT5(ENDC)	WCDMA B1/LTE B1 NR n1: -6.16
		PCS/WCDMA B2/LTE B2:-6.68
		DCS /LTE B3/B66 NR n3/n66:-8.4
		WCDMA B4/LTEB4 :-10.2
		LTE B7 NR n7:-10.61
		LTE B40 NR n40:-9.71
		LTE B41/B38 NR n41/n38:-11.07
	ANT6	LTEB42 NR n77/n78:-6.31
	ANT7	WCDMA B1/B4LTE B1/B4/B66 NR n1/n4/n66 : -5.87
		PCS/WCDMA B2/LTE B2:-4.95
		DCS /LTE B3/NR n3:-3.9
		LTE B7 NR n7:-1.17
		LTE B40 NR n40:-3.38
		LTE B41/B38 NR n41/n38:-2
		LTEB42 NR n77/n78:-3.56
	ANT8	LTEB42 NR n77/n78:-4.2
	ANT12	GPS(L1):-5.35
		BT/WIFI2.4:-2.67
	ANT13	WIFI2.4:-4.82
Antenna type	RF NFC WPT	Internal Antenna Internal Antenna Coil Antenna

NFC Dimensions

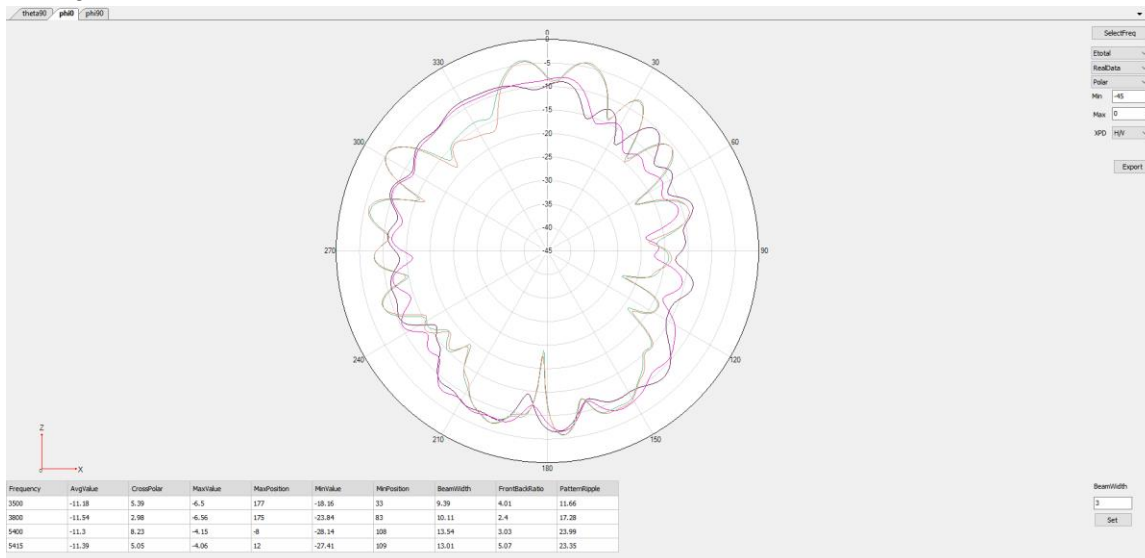


Antenna	Support Band
Ant 0	WIFI5G&NR n77/78 DRX
Ant 1	LTE B1/B3/B4/B66&NR N1/N3/N66 DRX

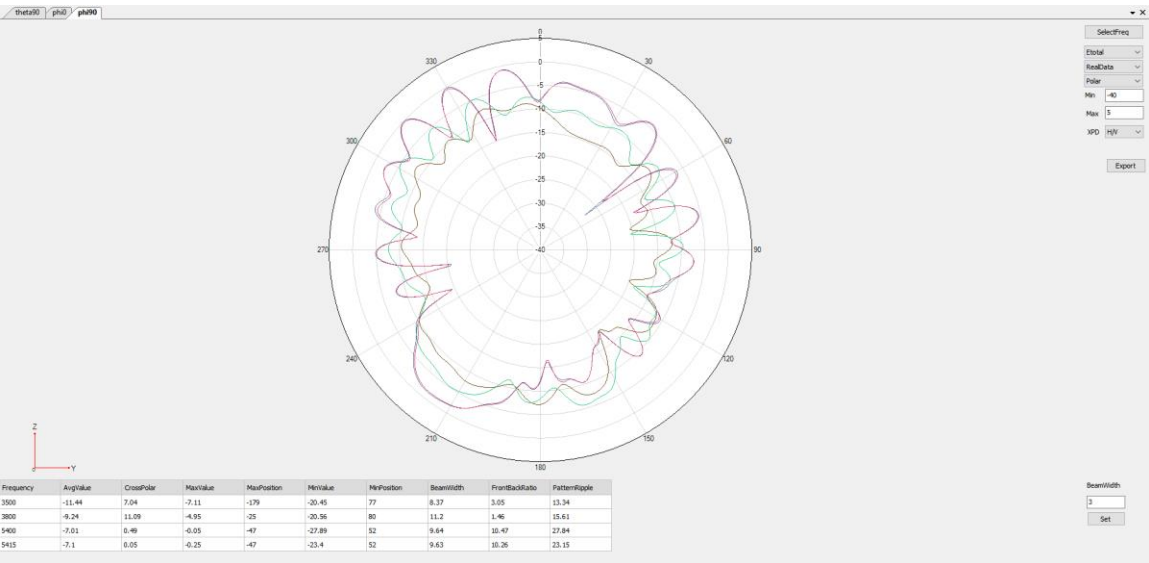
Ant 2	GSM850/900&WCDMA B5/B8<E B7/B38/B40/B41&NR N7/N38/N40/N41 PRX<E B5/B8/B12/B17/B20/B28&NR N5/N8/N12/N20/N28/N71 DRX
Ant 3	GSM1800/1900&WCDMA B1/B2/B4<E B1/B2/B3/B4/B7/B38/B40/B41/B66&NR N1/N3/N7/N38/N40/N41/N66 PRX
Ant 4	GSM850/900&WCDMA B5/B8<E B5/B8/B12/B17/B20/B28&NR N5/N8/N12/N20/N28/N71 DRX
Ant 5	LTE B1/B3/B4/B7/B38/B40/B41/B66&NR N1/N3/N7/N38/N40/N41/N66 PRX
Ant 6	LTE B42&NR N77/N78 PRX
Ant 7	GSM1800/1900&WCDMA B1/B2/B4<E B1/B2/B3/B4/B7/B38/B40/B41/B66&NR N1/N3/N7/N38/N40/N41/N66 DRX<E B42&NR N7/N78 PRX
Ant 8	LTE B42&NR N77/N78 DRX
Ant 9	
Ant 10	
Ant 11	
Ant 12	GPS L1 &WIFI2.4G
Ant 13	WIFI2.4G

※ Antenna Gain

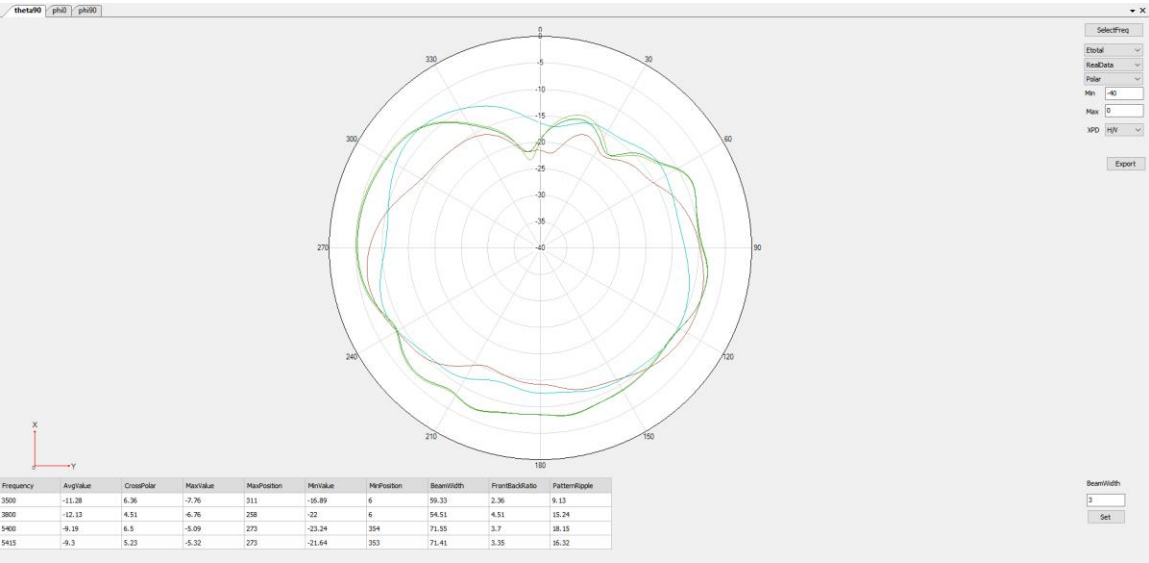
ANT0



LTEB42 NRN77/78 &WIFI5G Phi=0deg



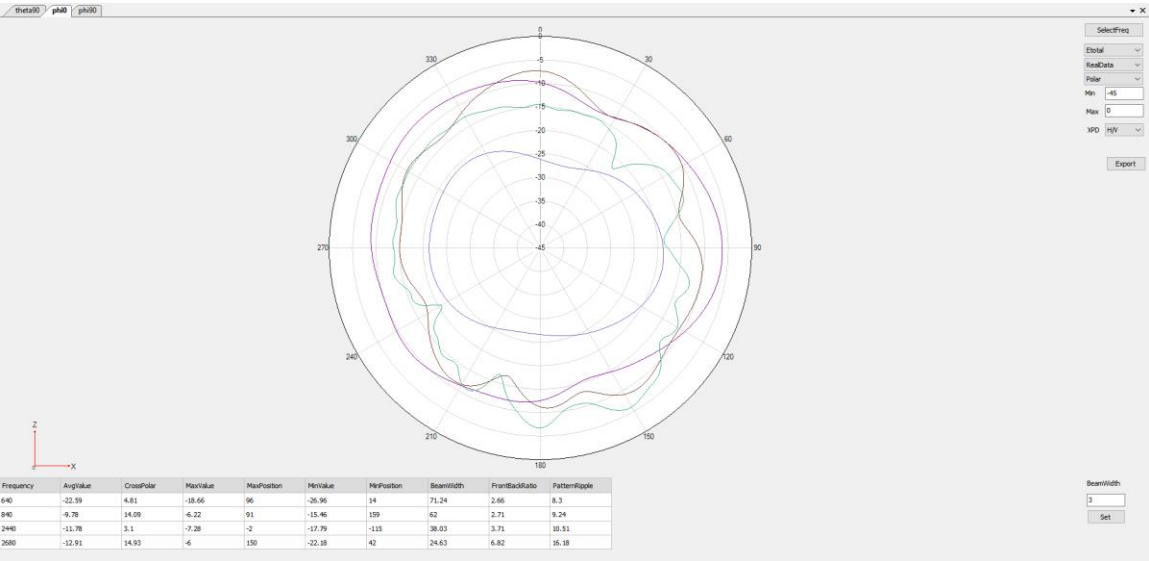
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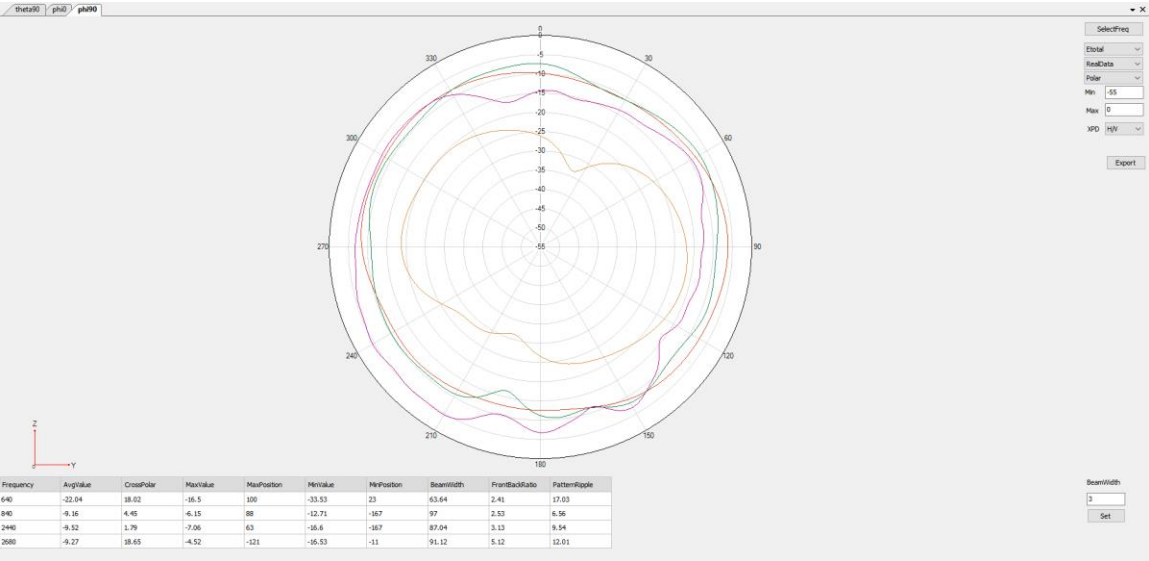
LTEB42 NRN77/78 & WIFI5G Theta=90deg

※ Antenna Gain

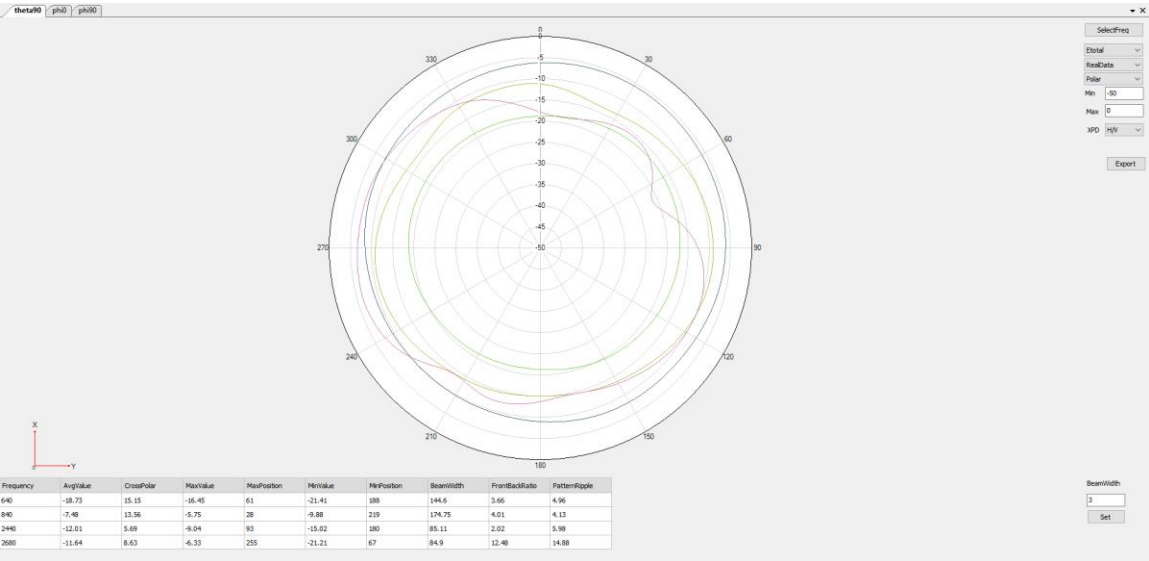
ANT2



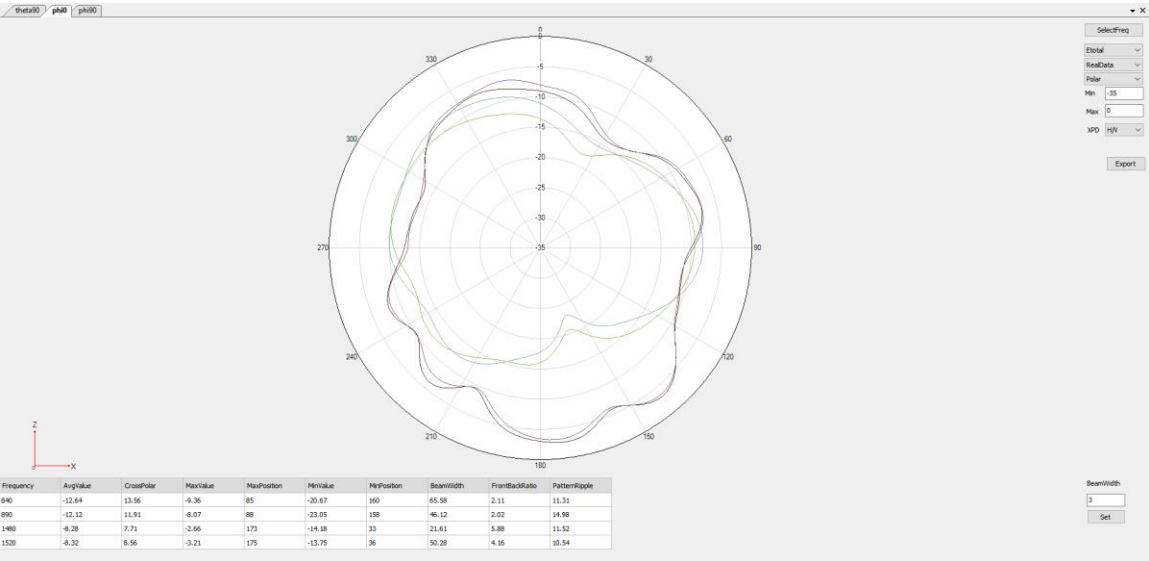
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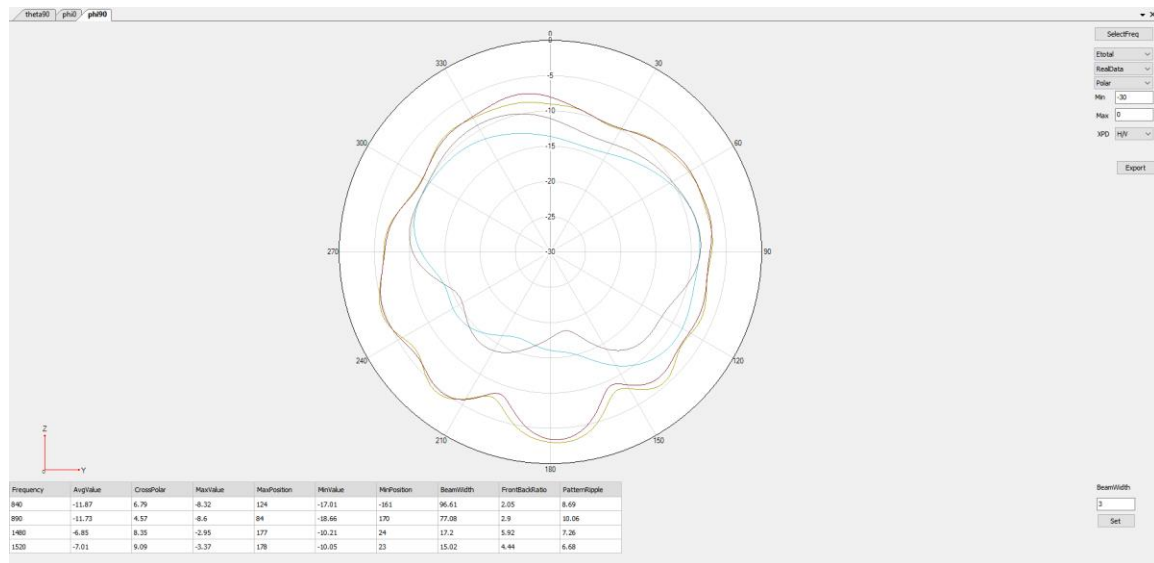
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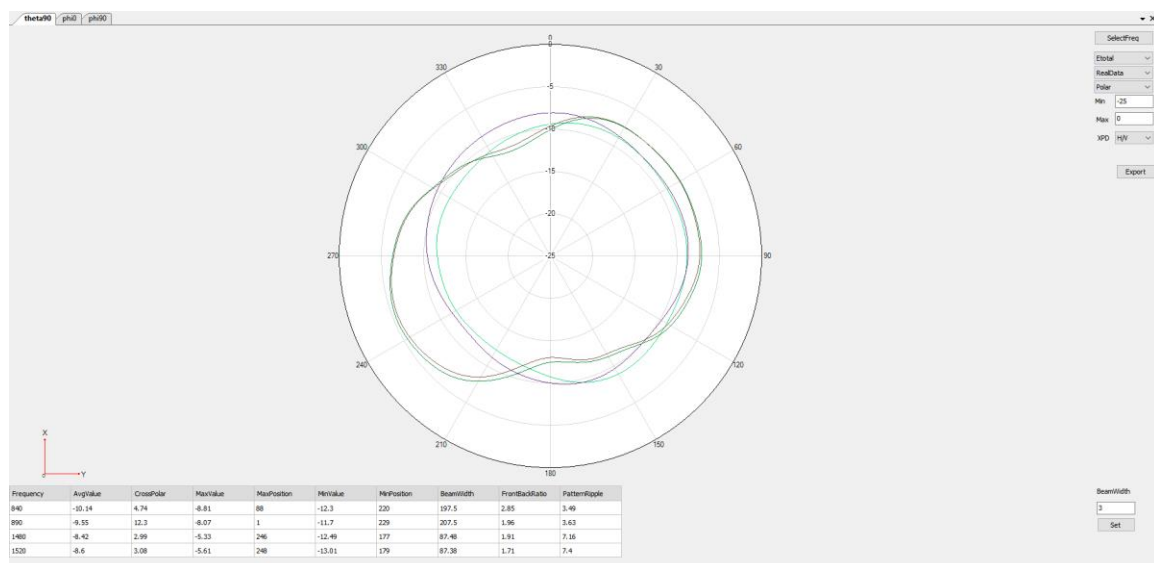
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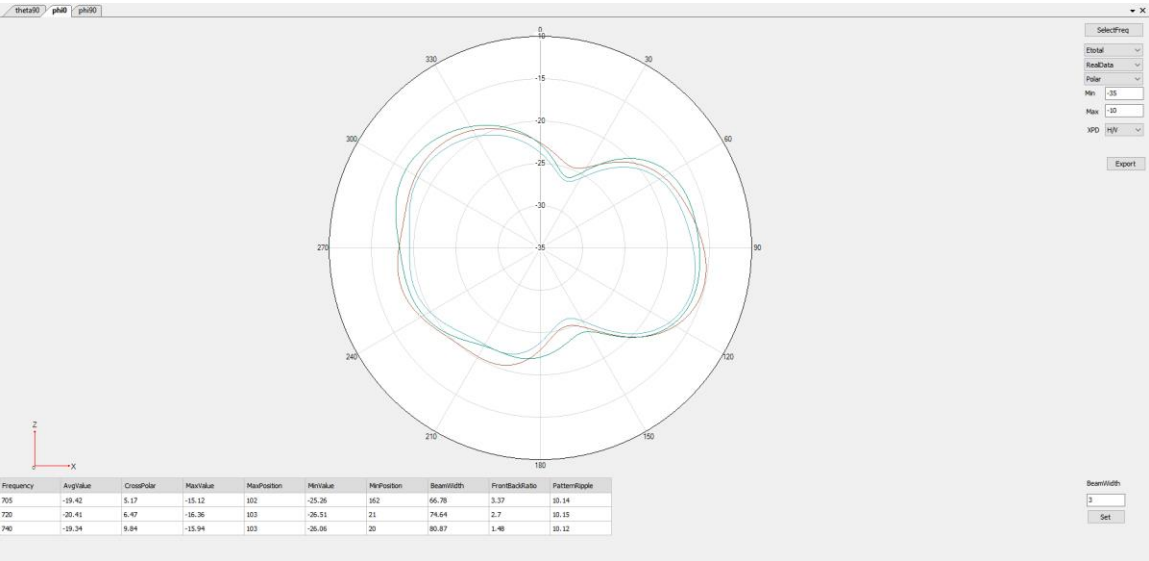
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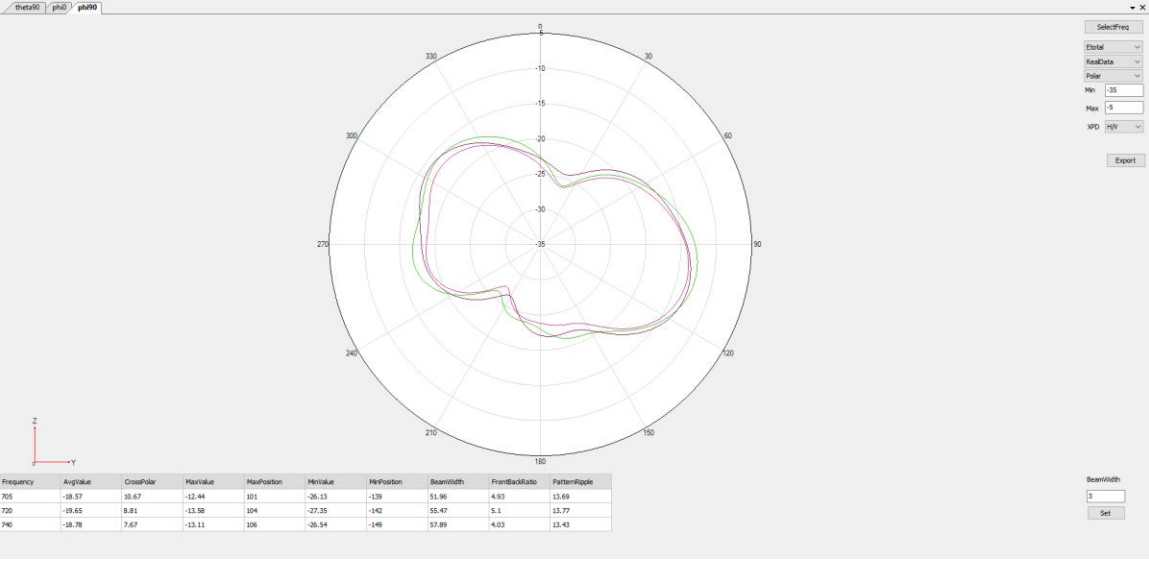
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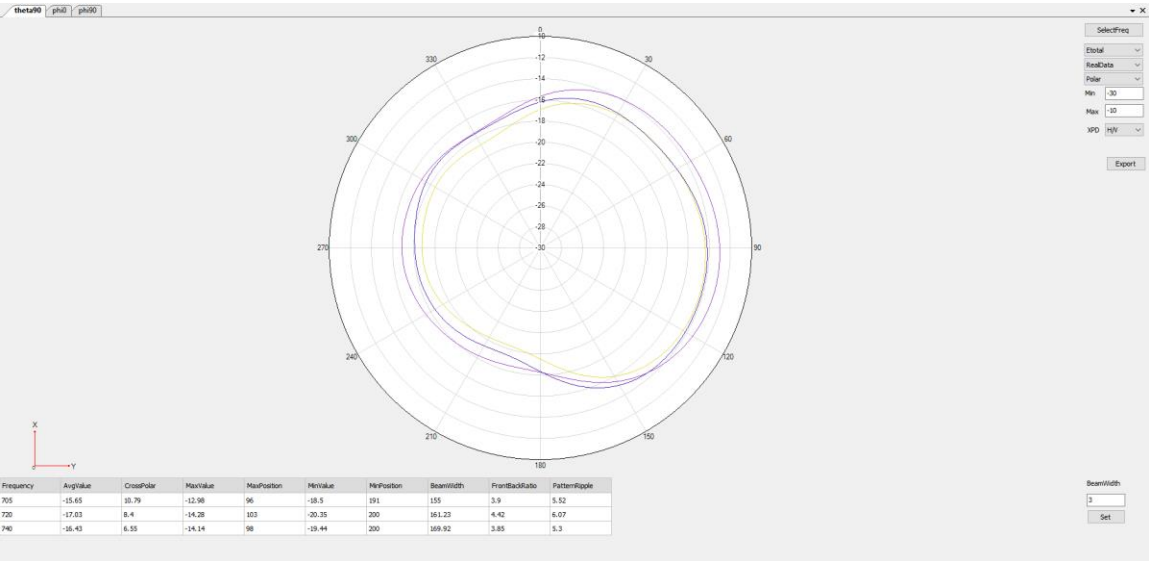
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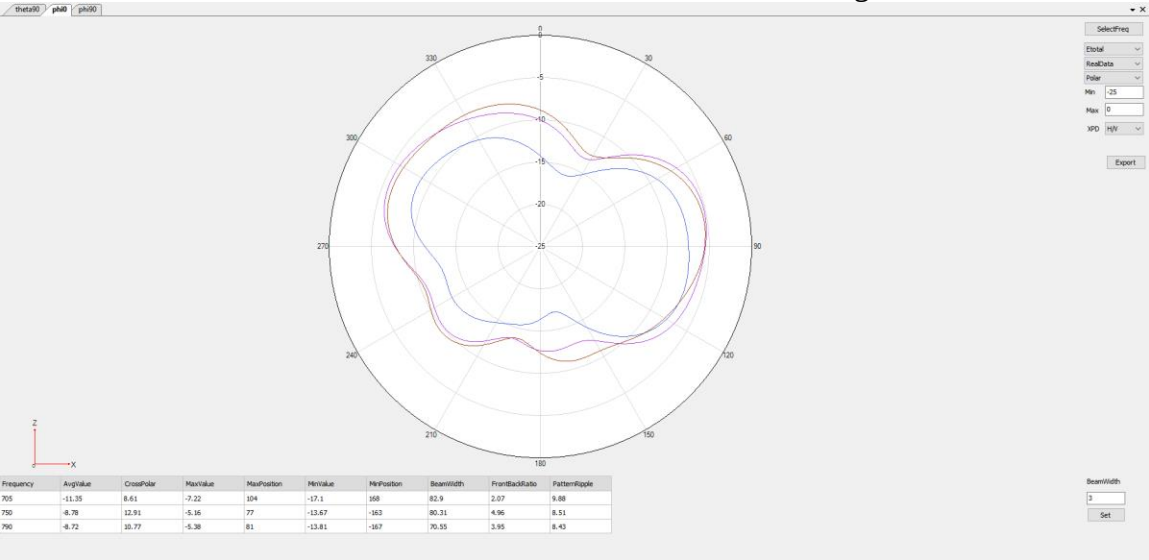
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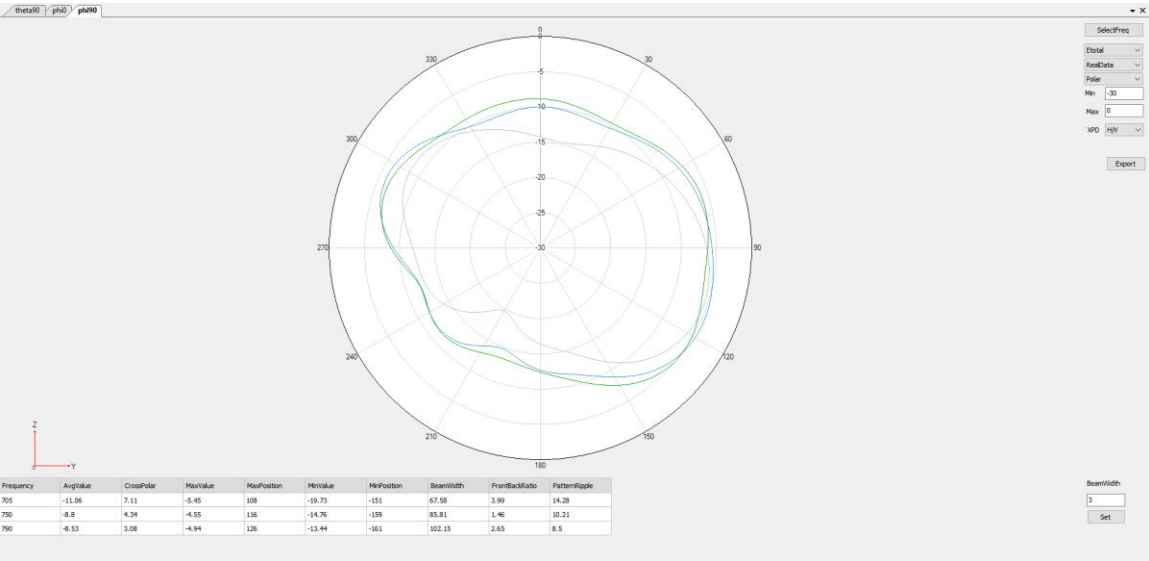
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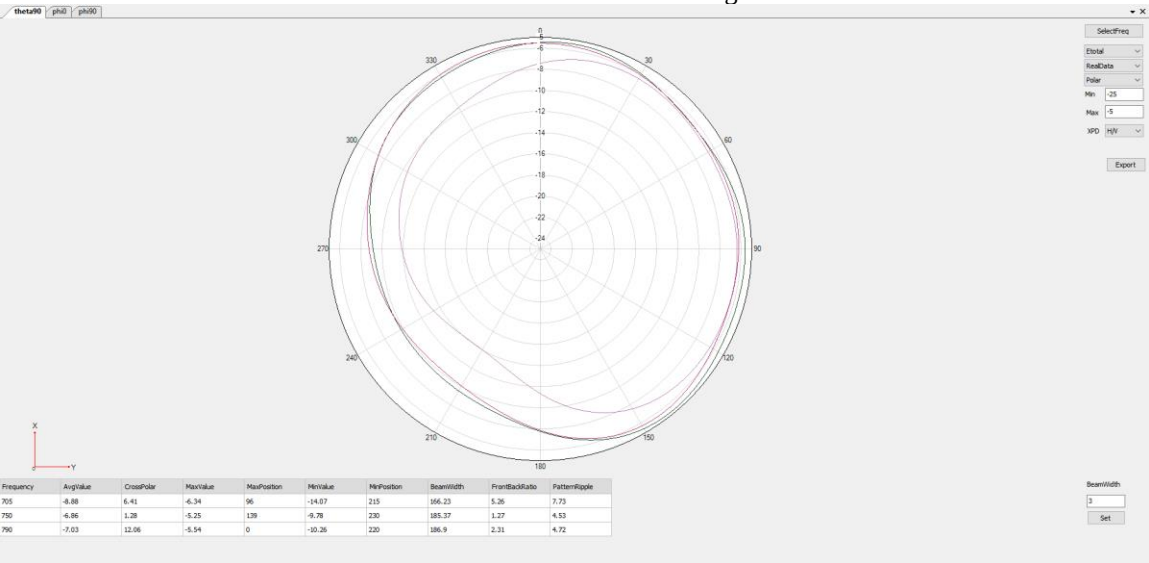
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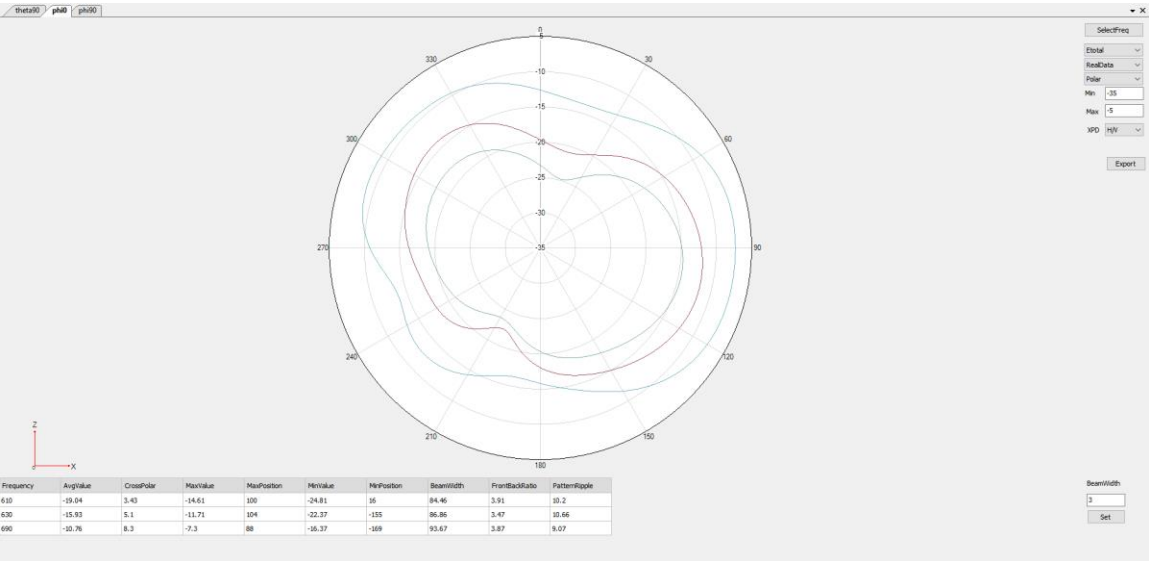
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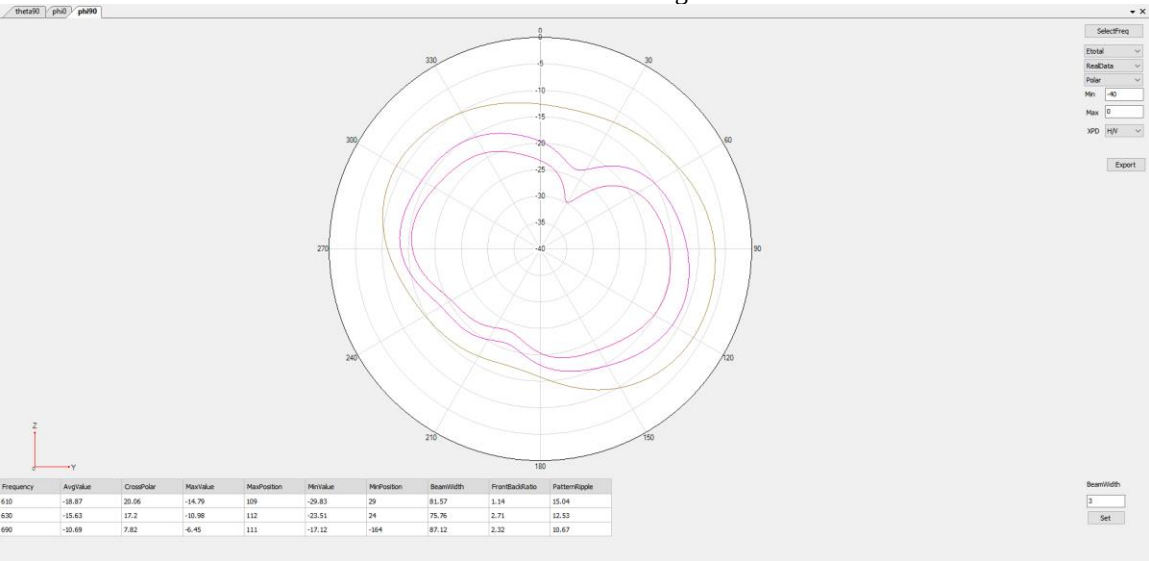
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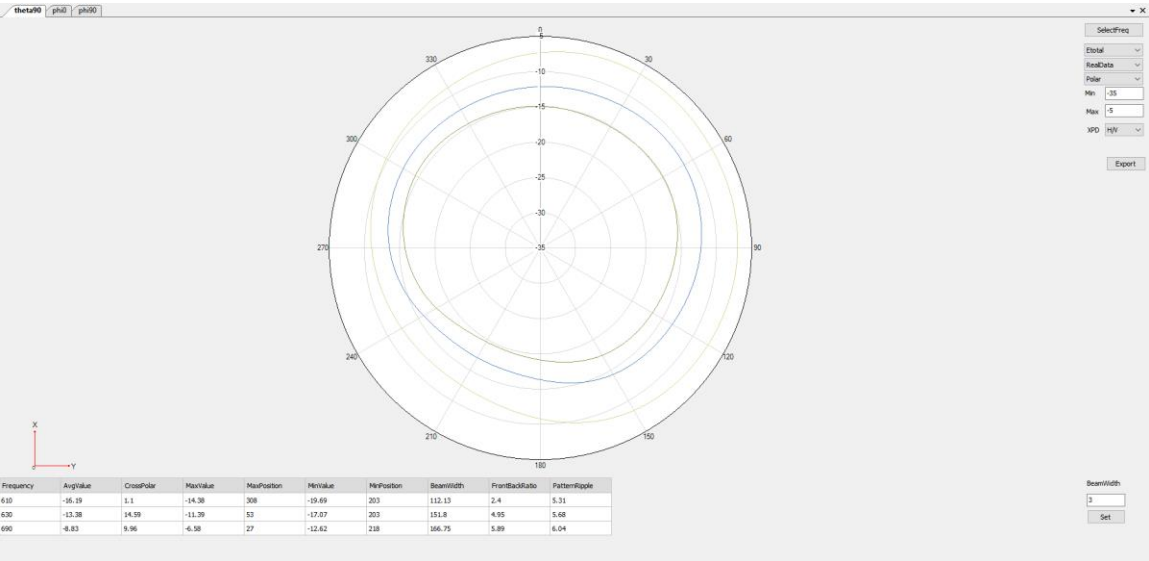
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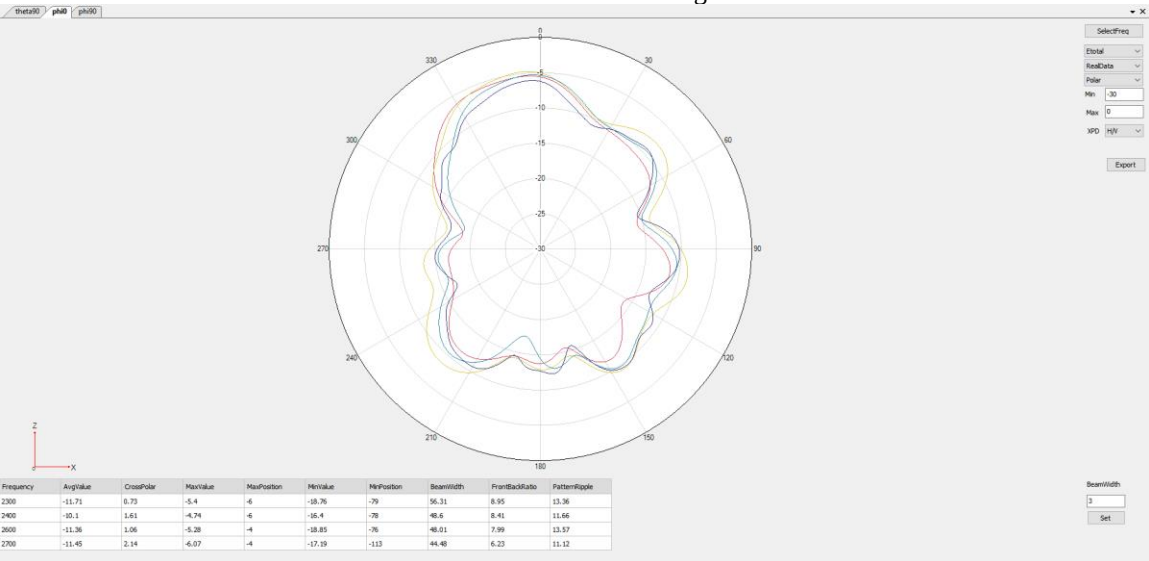
NR n71 Phi=0deg



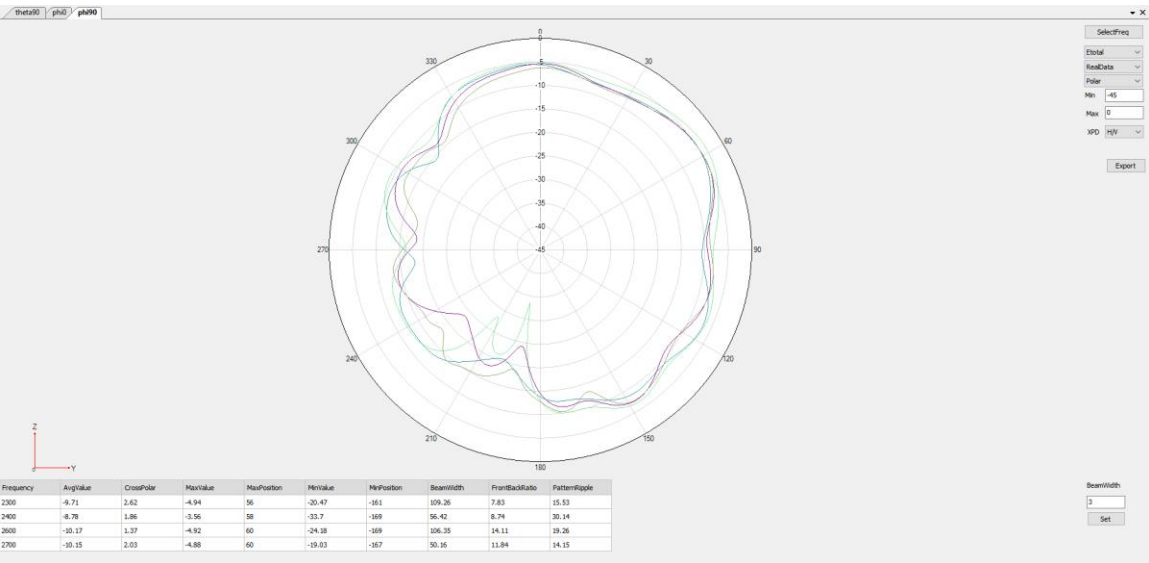
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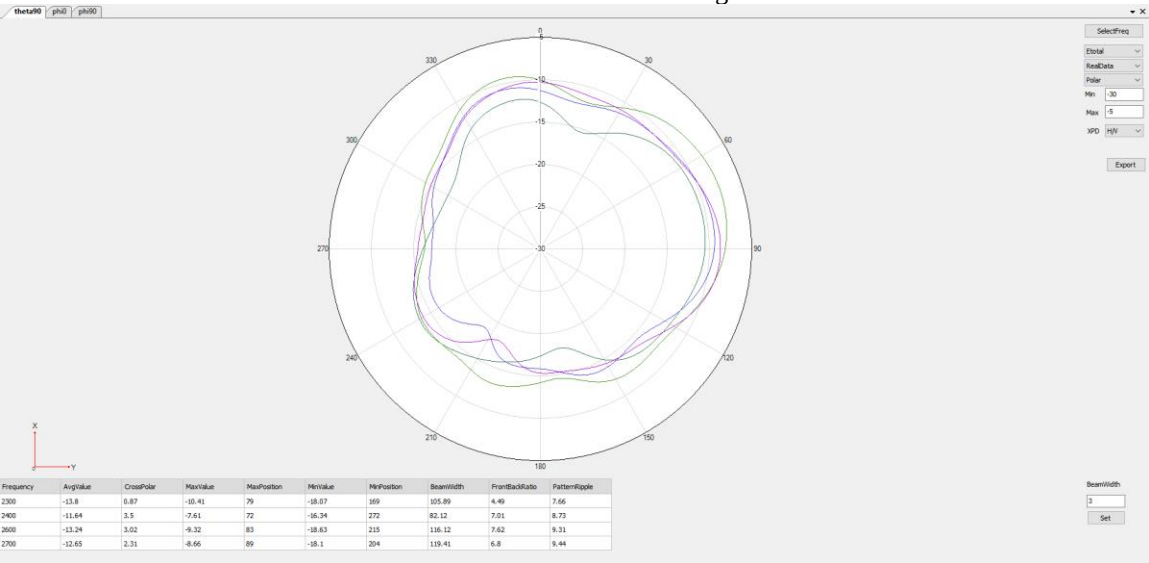
NR n71 Theta=90deg



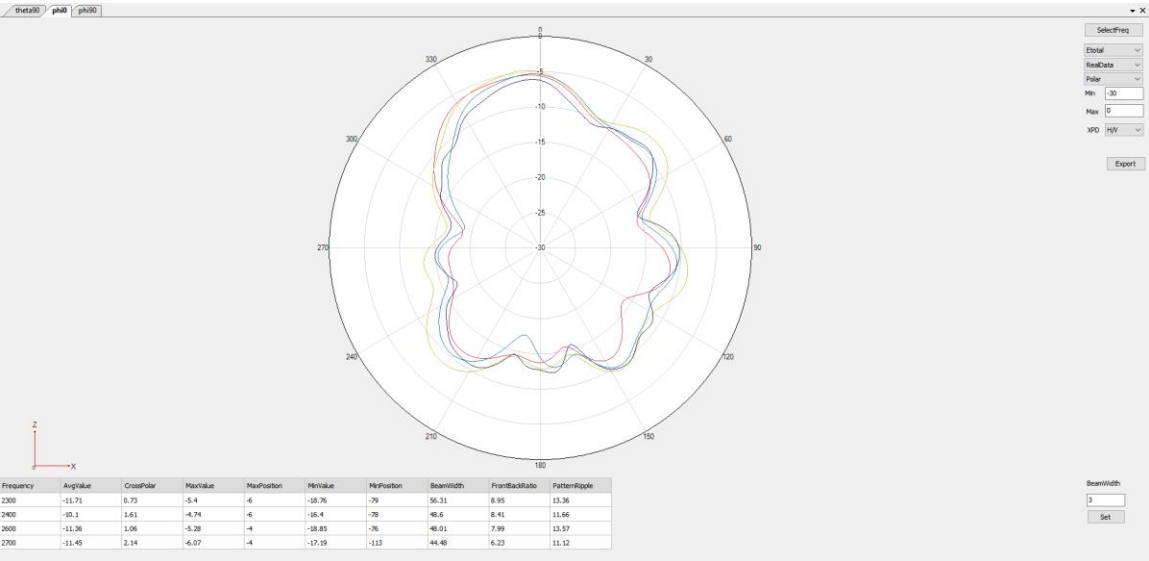
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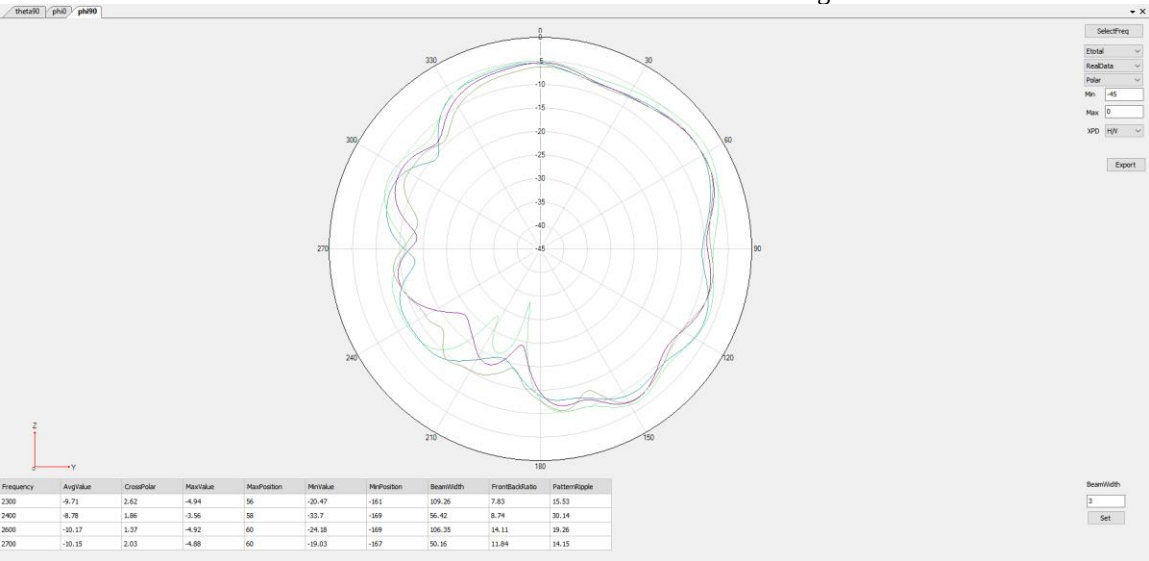
LTE B7/NR n7 Phi=90deg



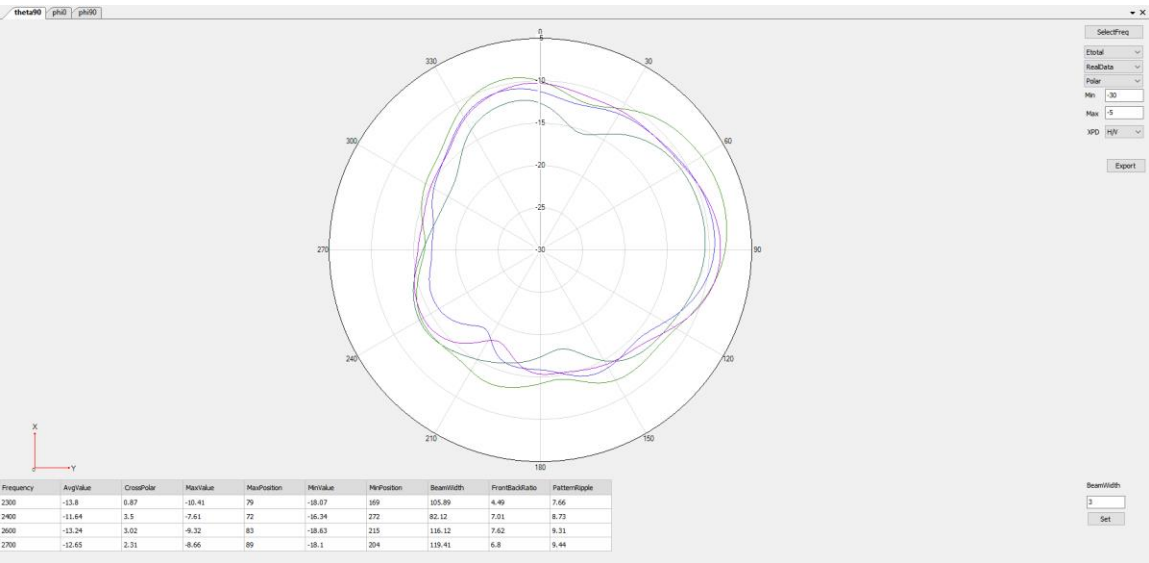
LTE B7/NR n7 Theta=90deg



LTE B40/B38/B41NR n40/n38/n41 Phi=0deg



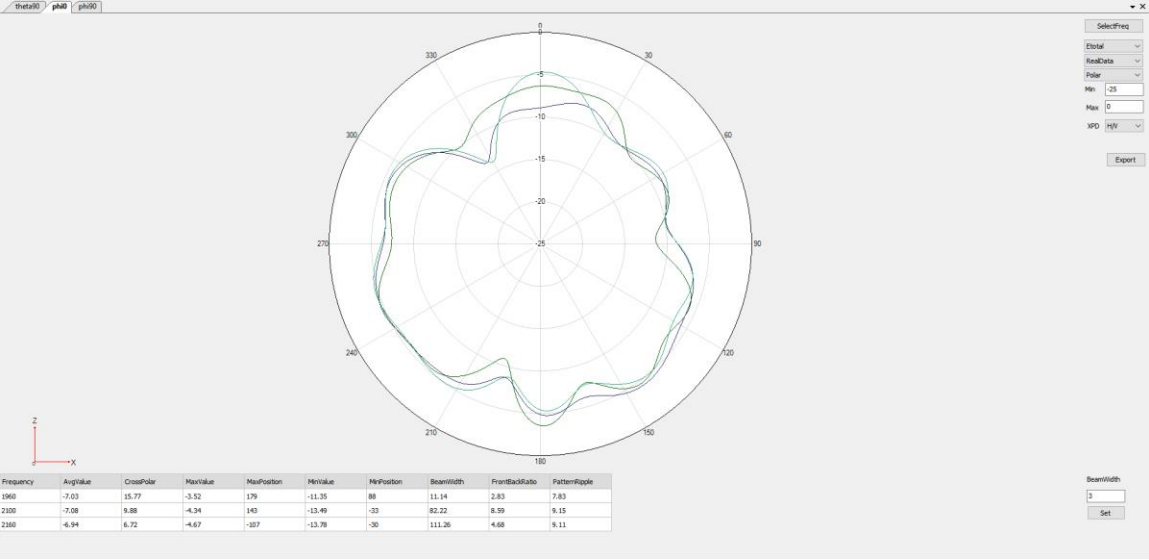
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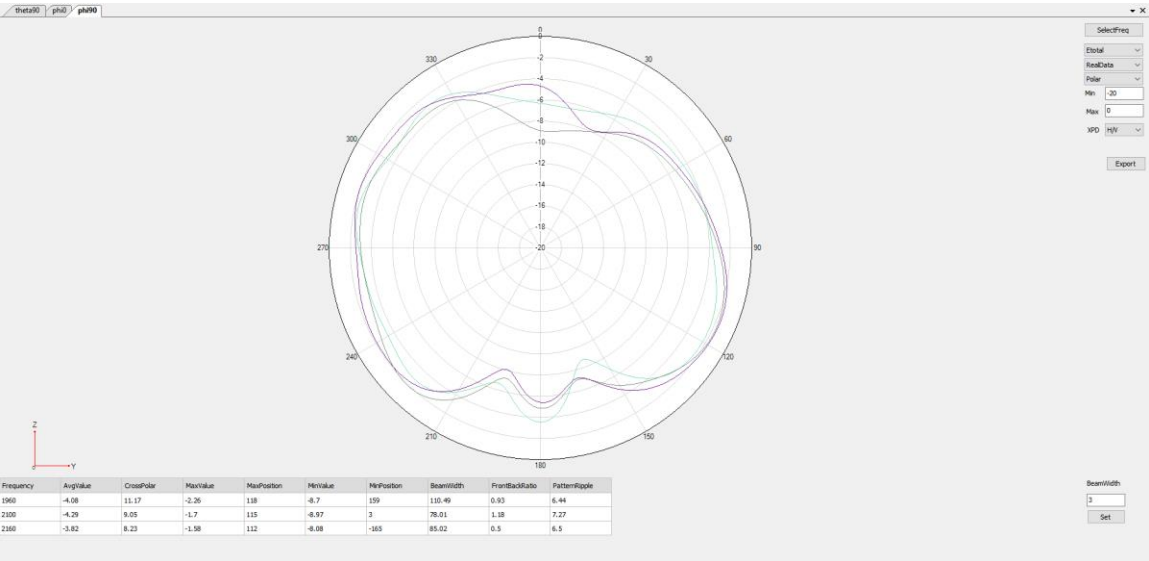
LTE B40/B38/B41NR n40/n38/n41 Theta=90deg

※ Antenna Gain

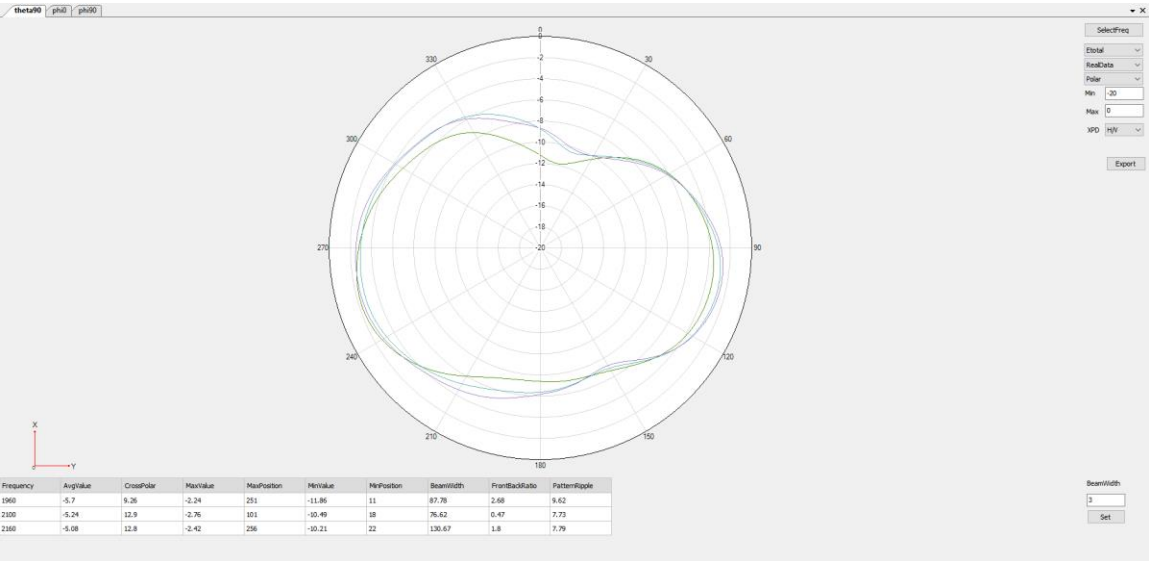
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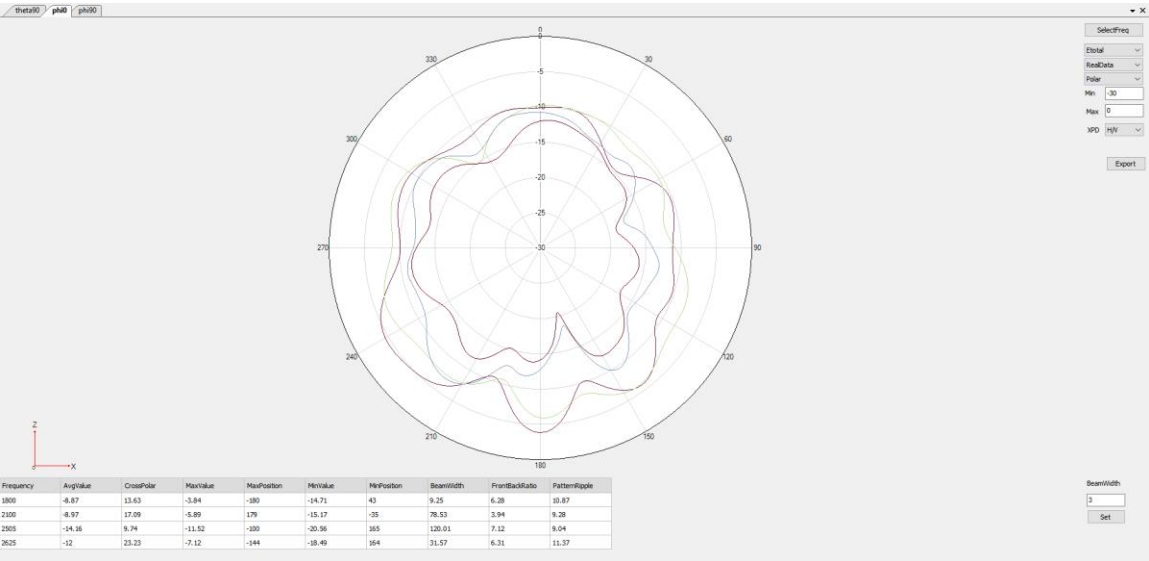
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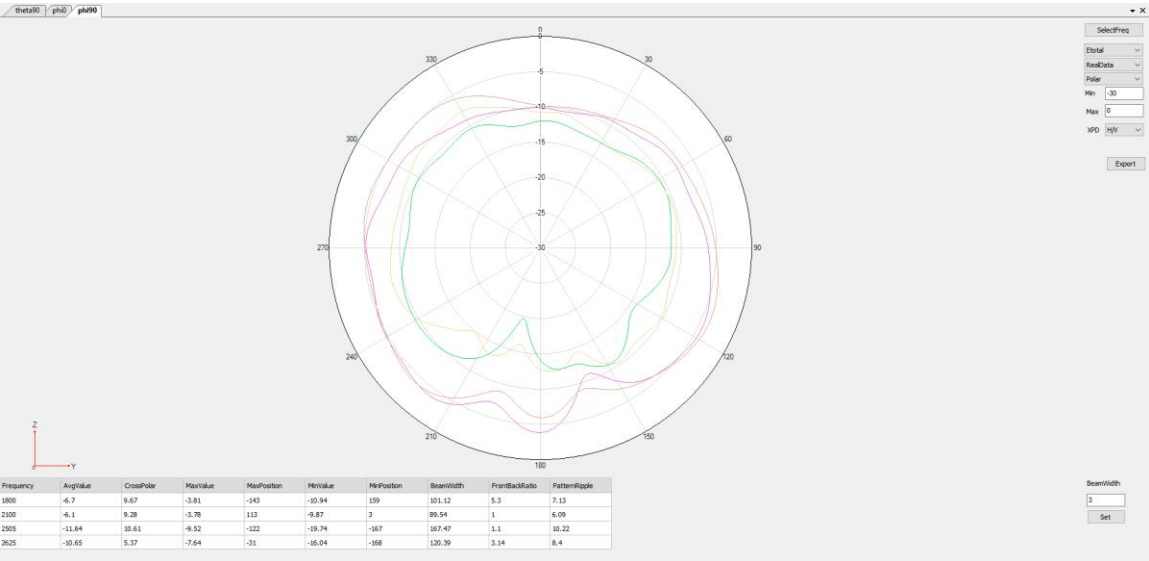
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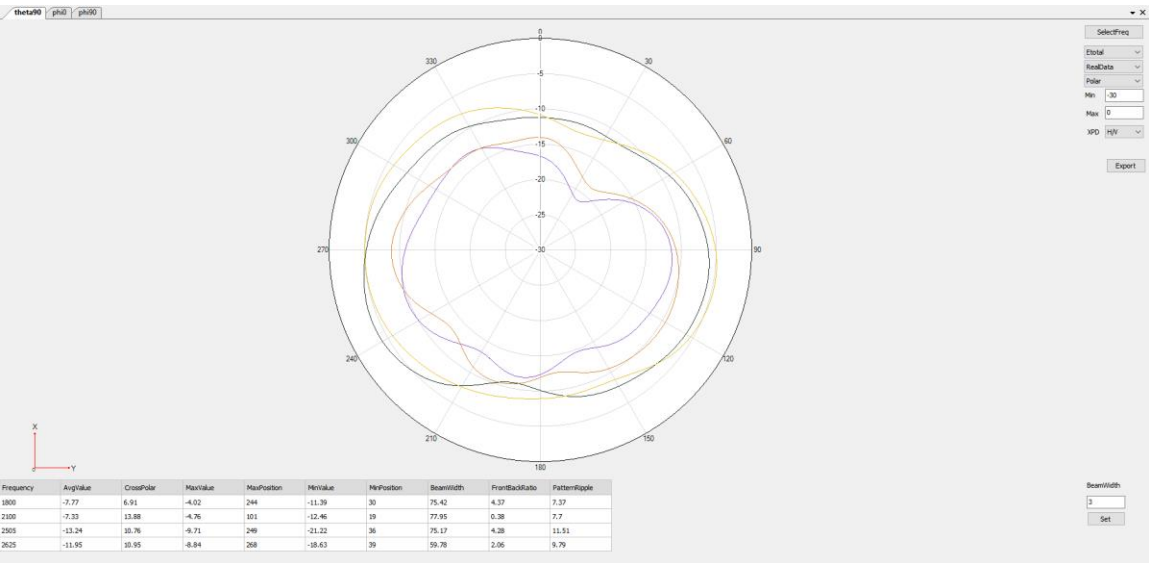
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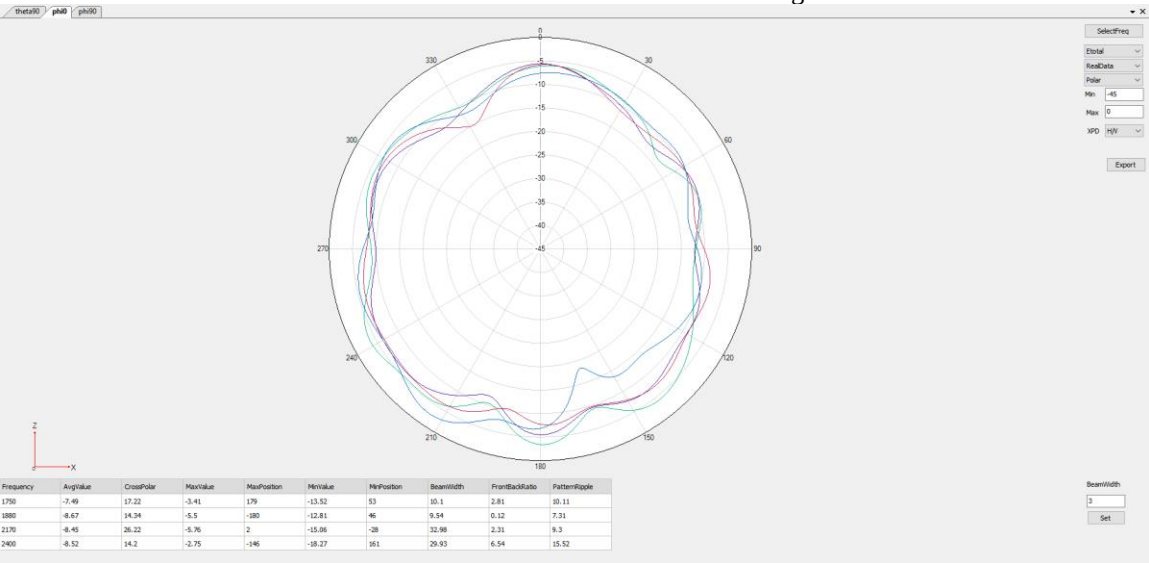
PCS/WCDMA B2/LTE B2 Phi=0deg



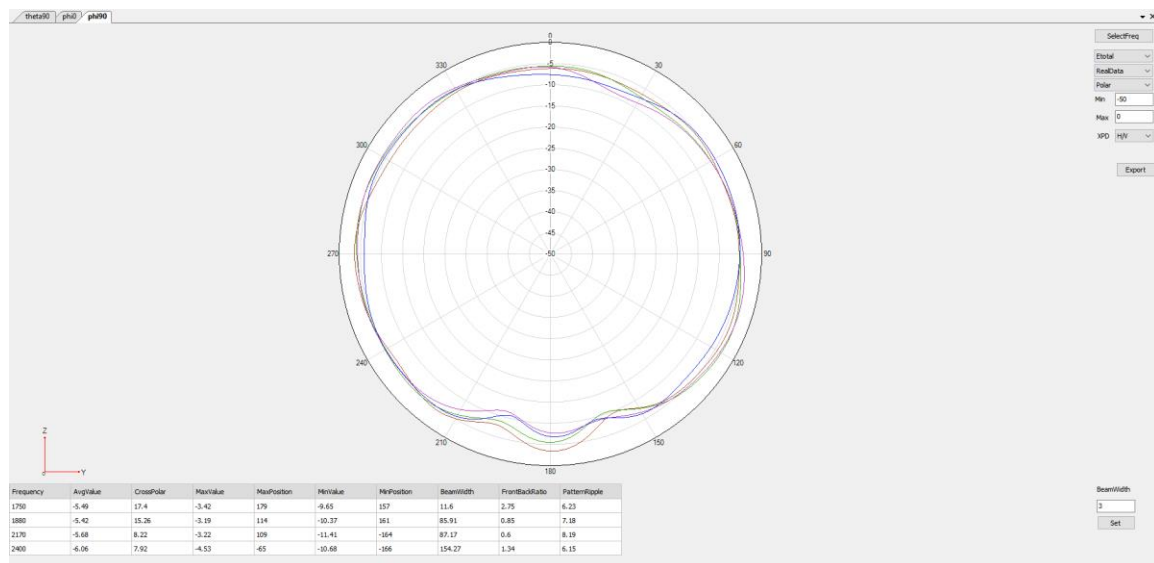
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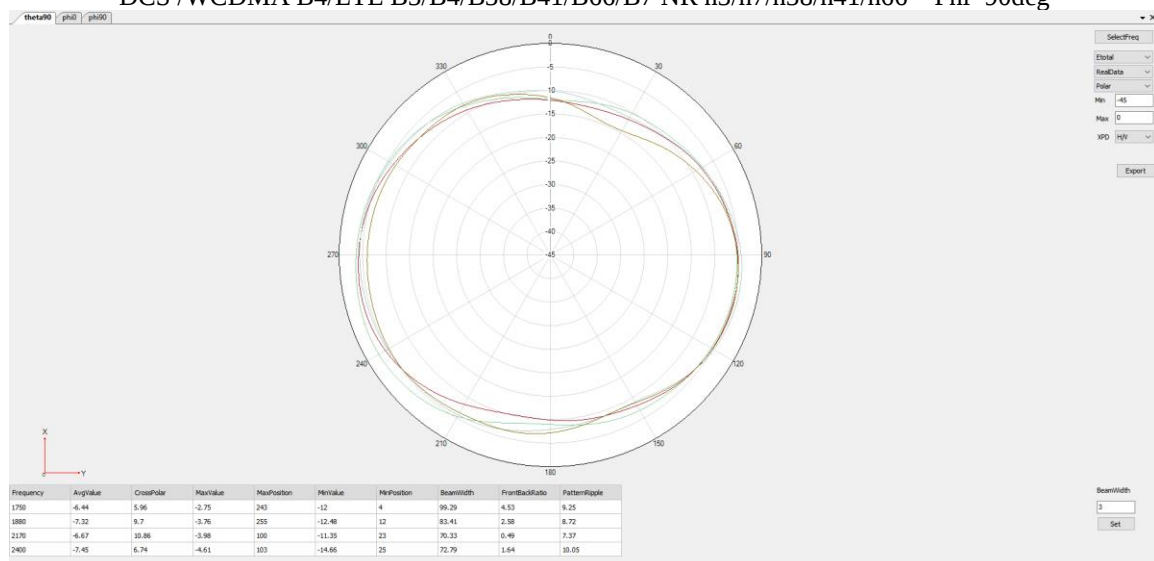
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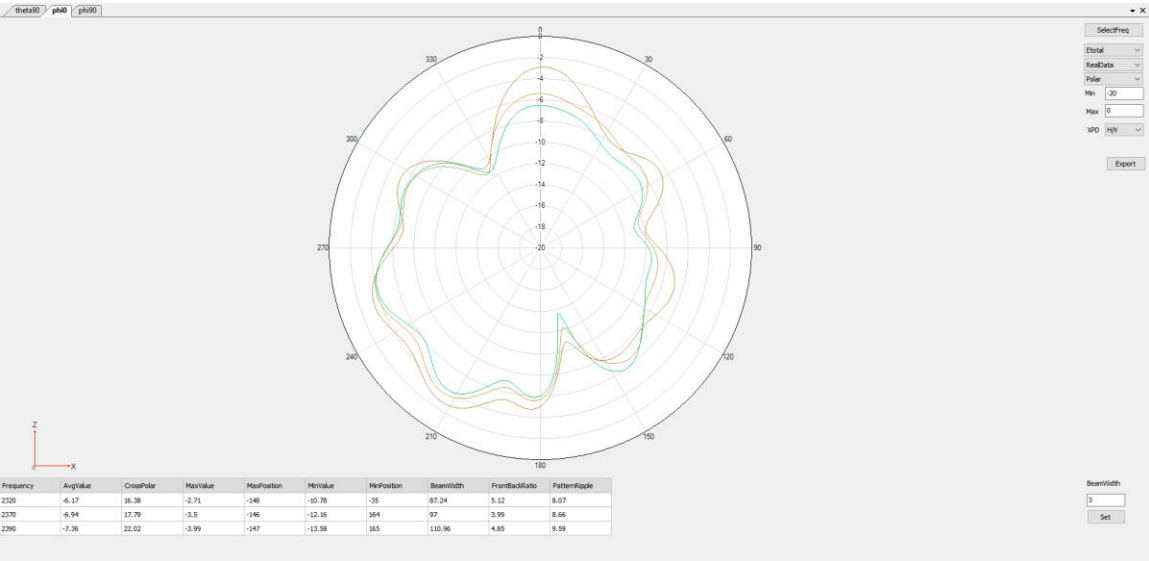
DCS /WCDMA B4/LTE B3/B4/B38/B41/B66/B7 NR n3/n7/n38/n41/n66 Phi=0deg



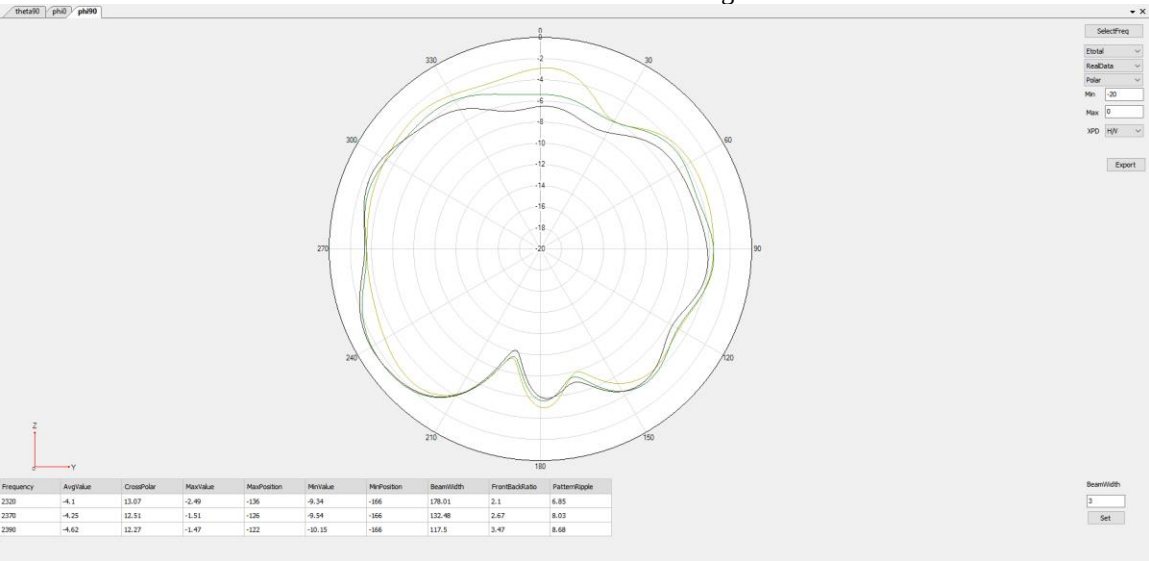
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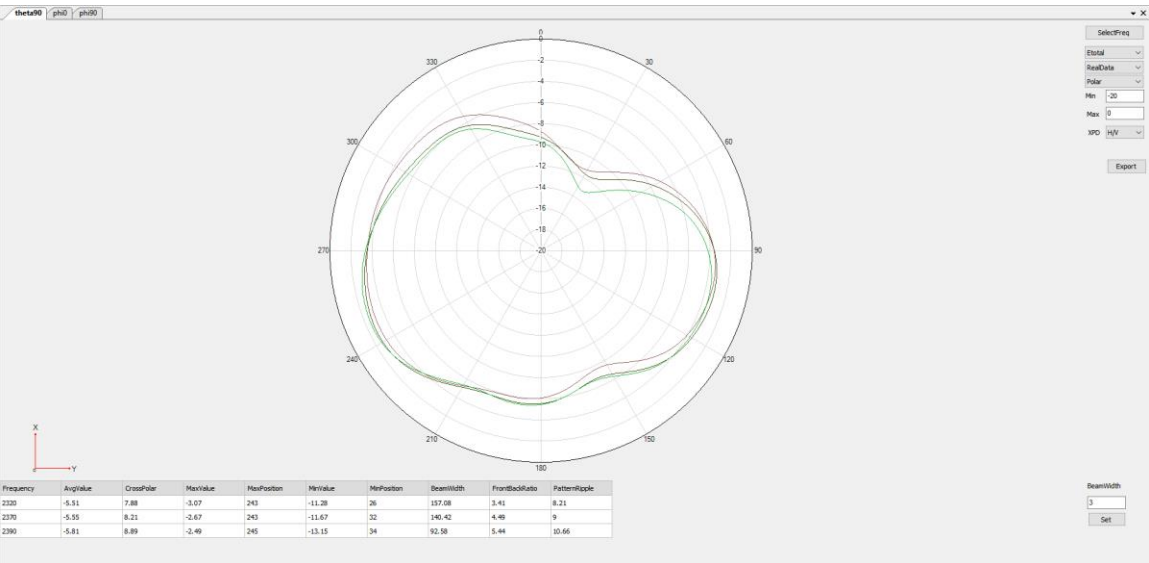
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LTE B40 NR n40 Phi=0deg



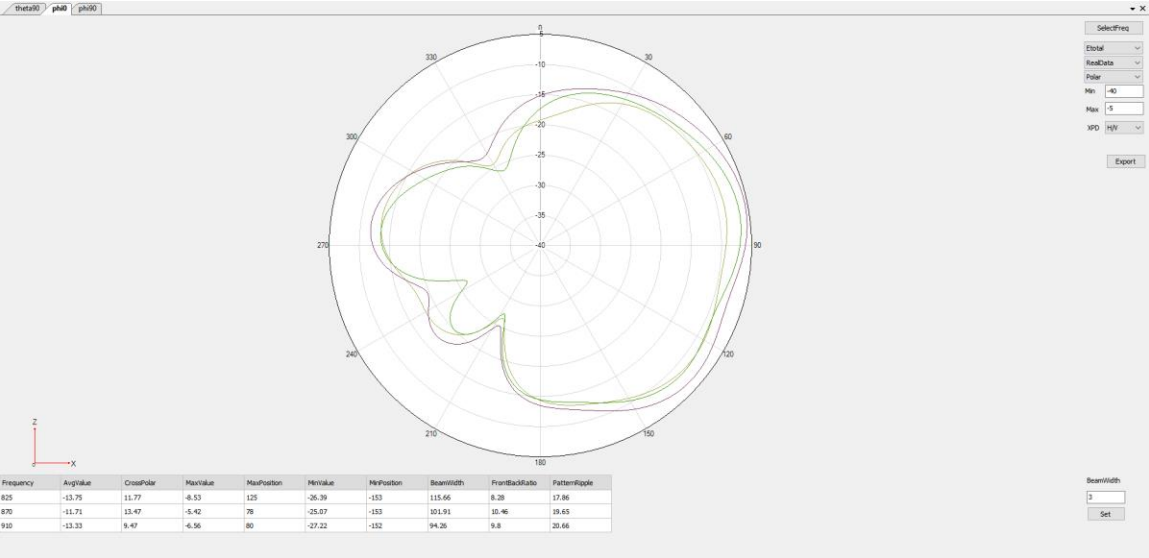
LTE B40 NR n40 Phi=90deg



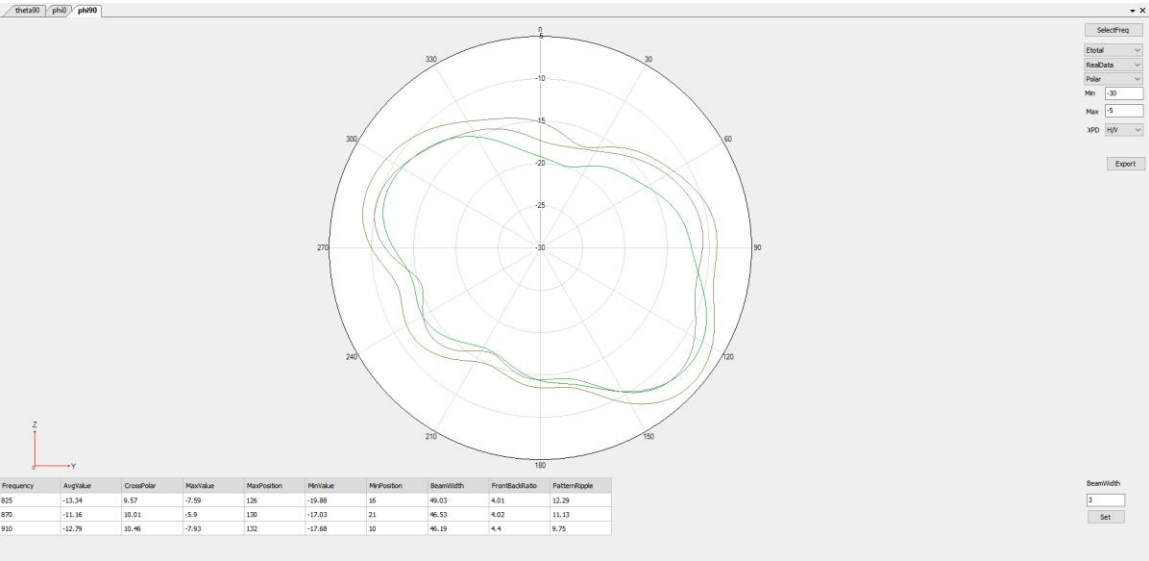
LTE B40 NR n40 Theta=90deg

※ Antenna Gain

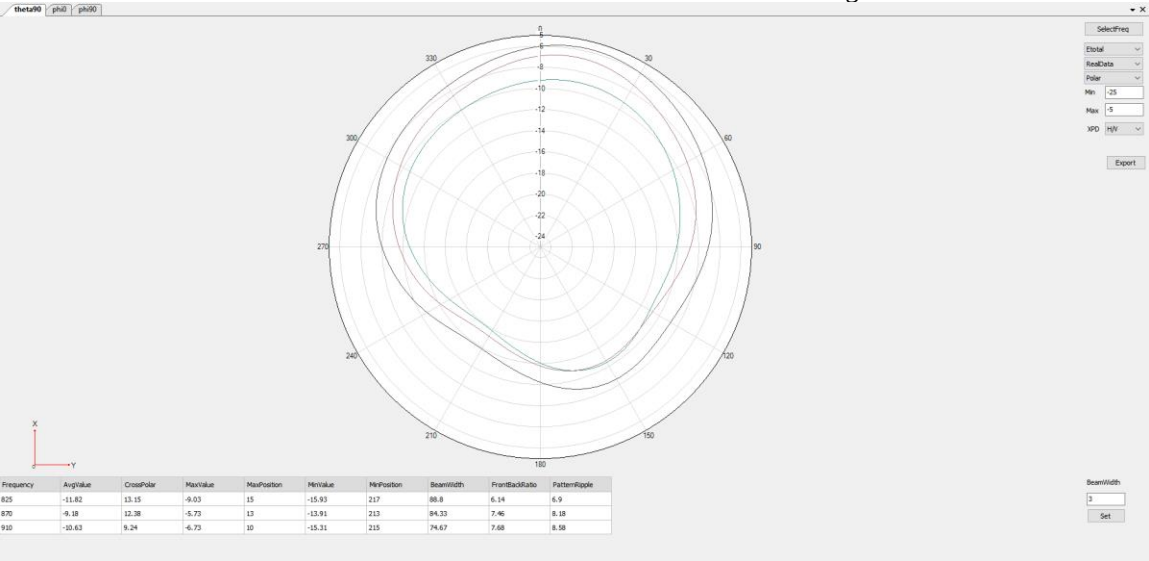
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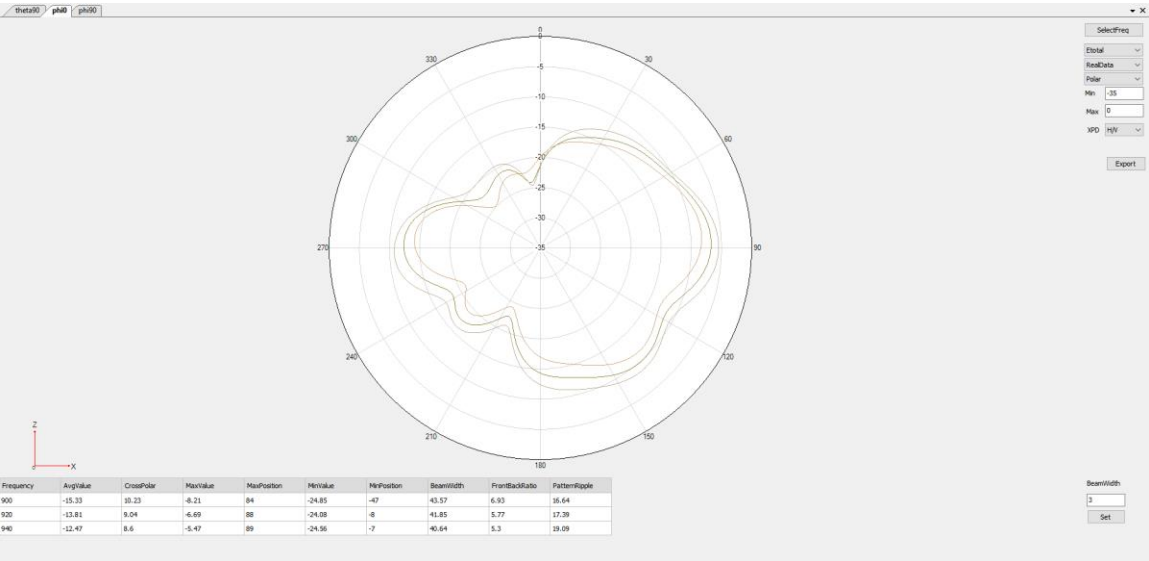
GSM 850/WCDMA B5/LTE B5 NR n5 Phi=0deg



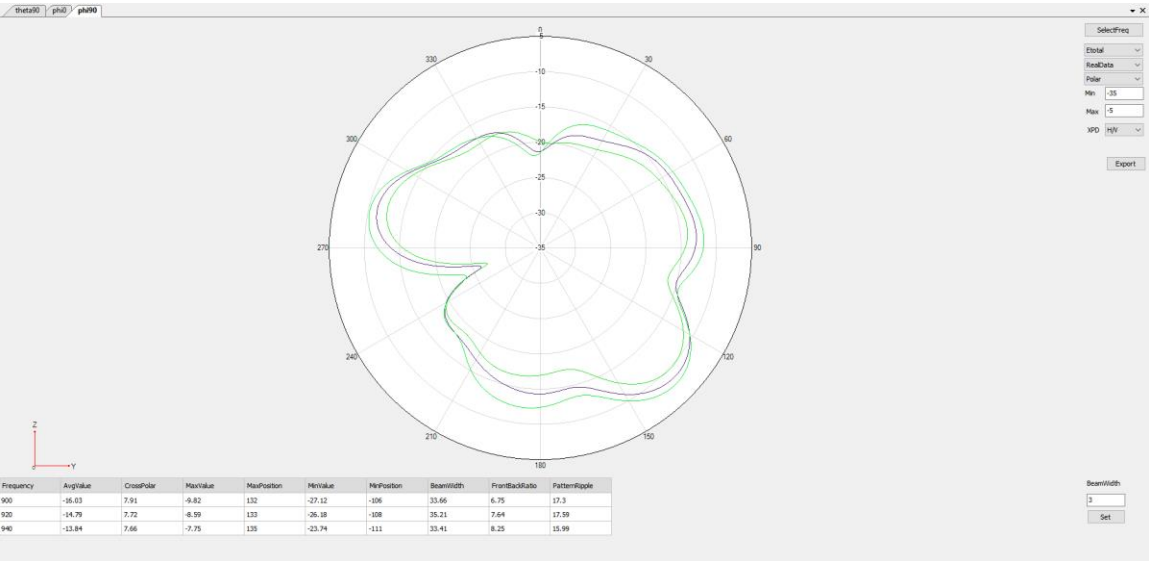
GSM 850/WCDMA B5/LTE B5 NR n5 Phi=90deg



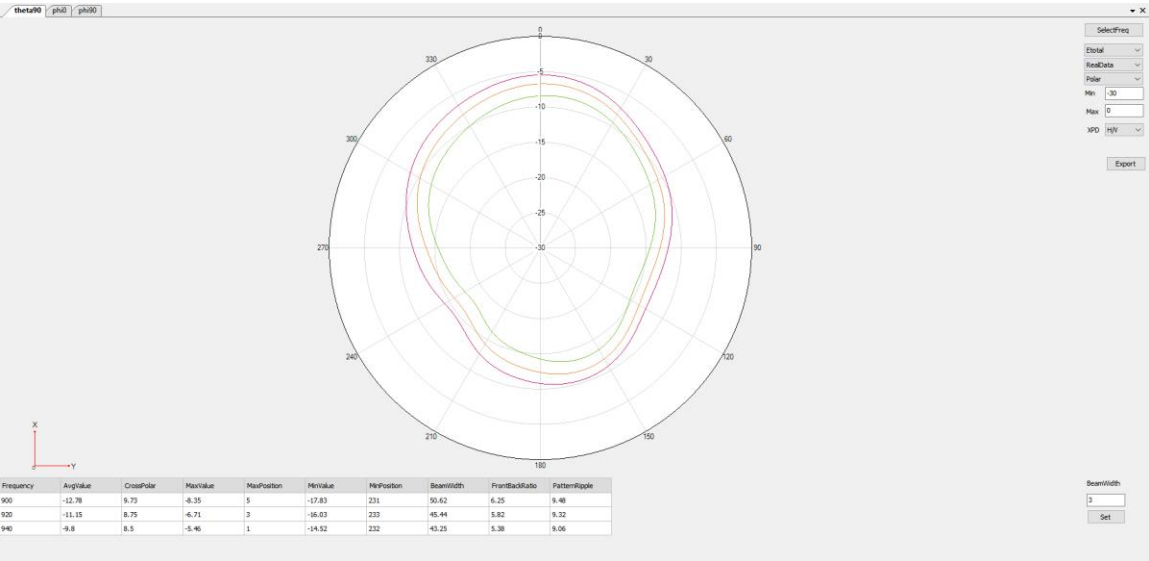
GSM 850/WCDMA B5/LTE B5 NR n5 Theta=90deg



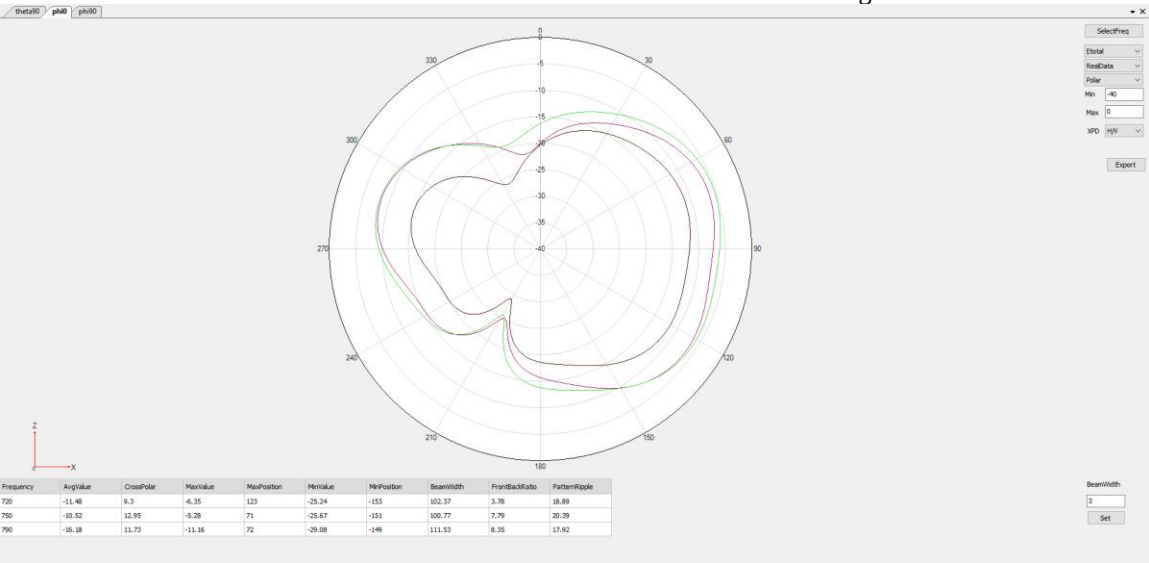
GSM 900/WCDMA B8/LTE B8 NR n8 Phi=0deg



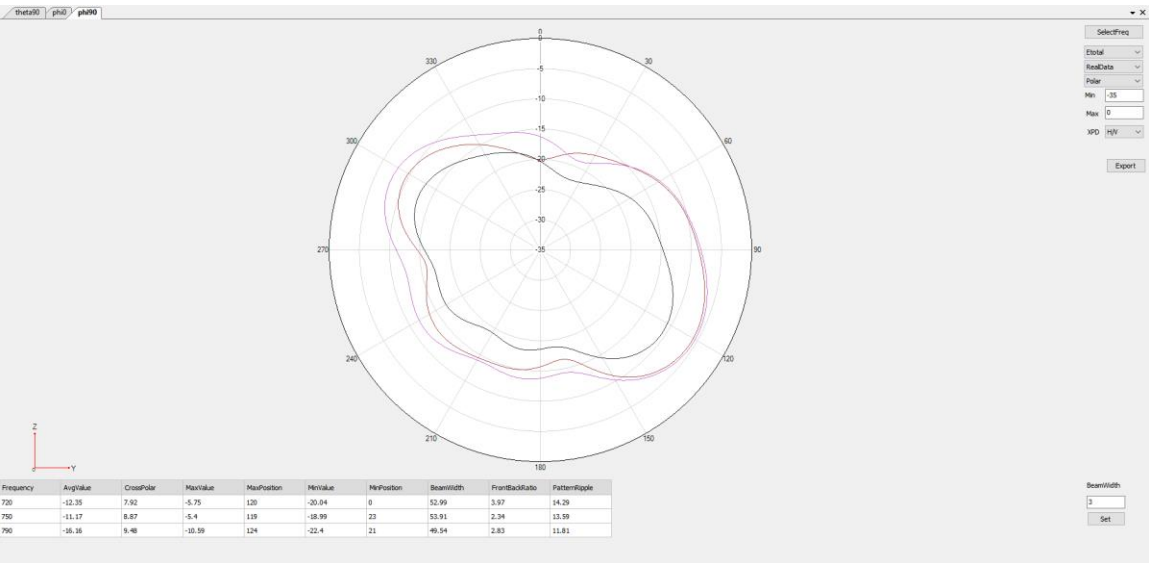
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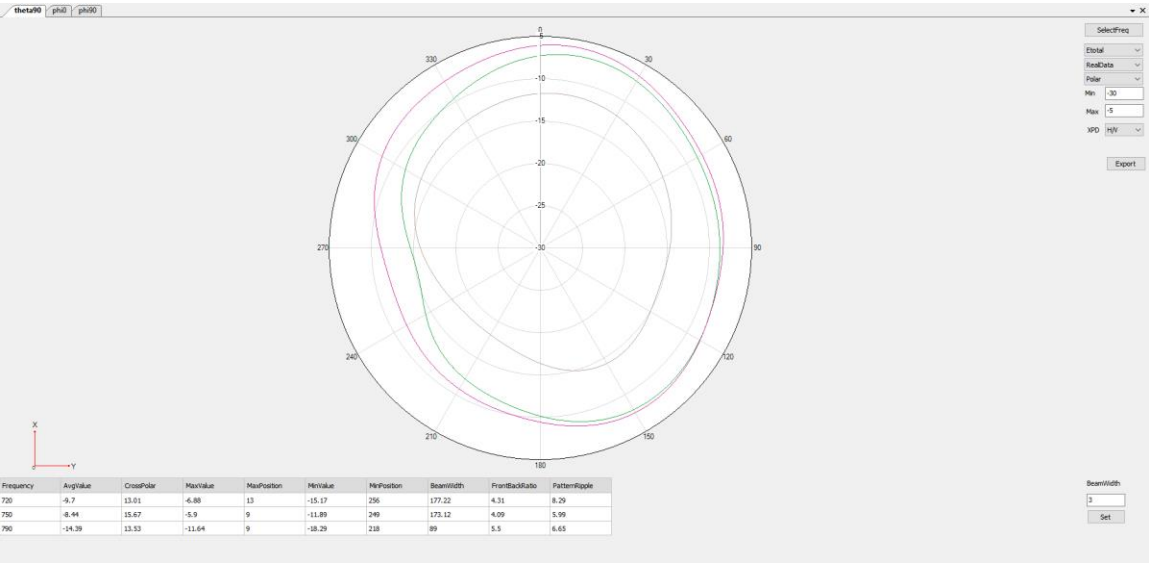
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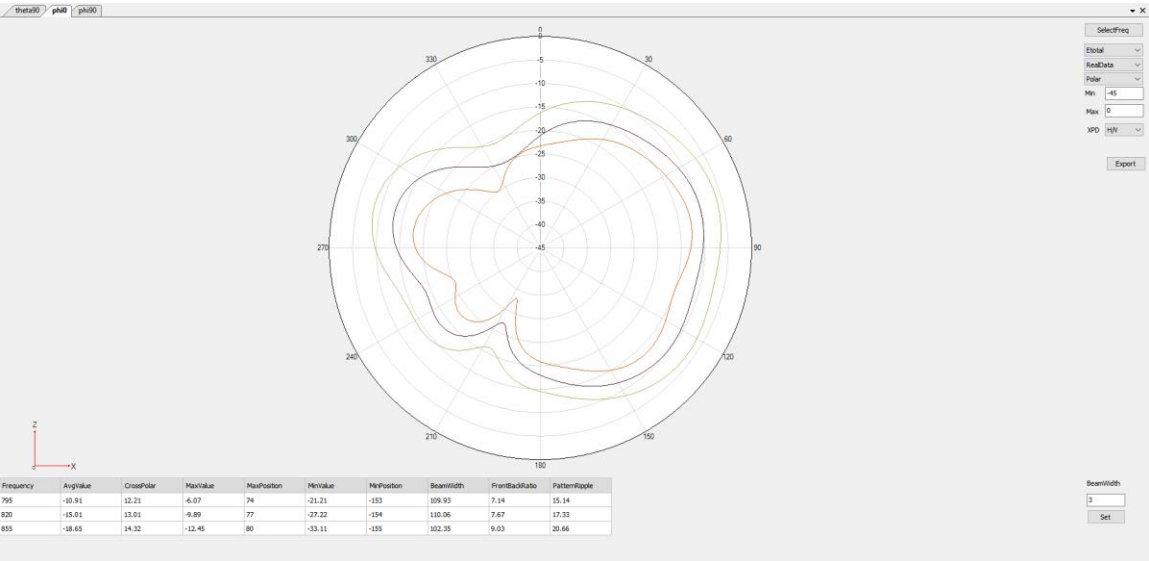
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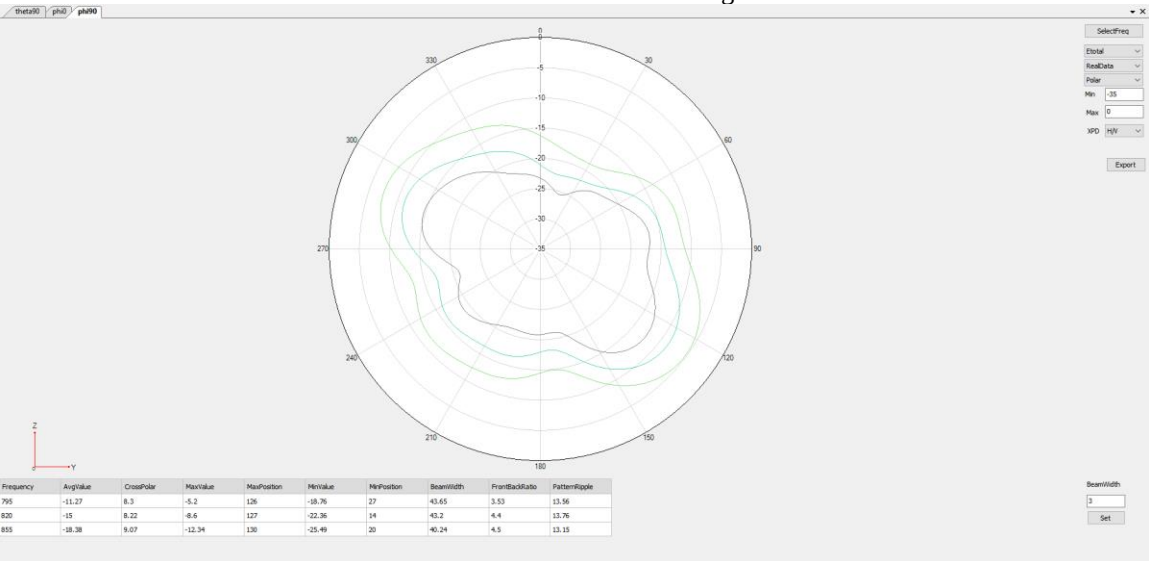
LTE B12/B17/B28 NR n12/n28 Phi=90deg



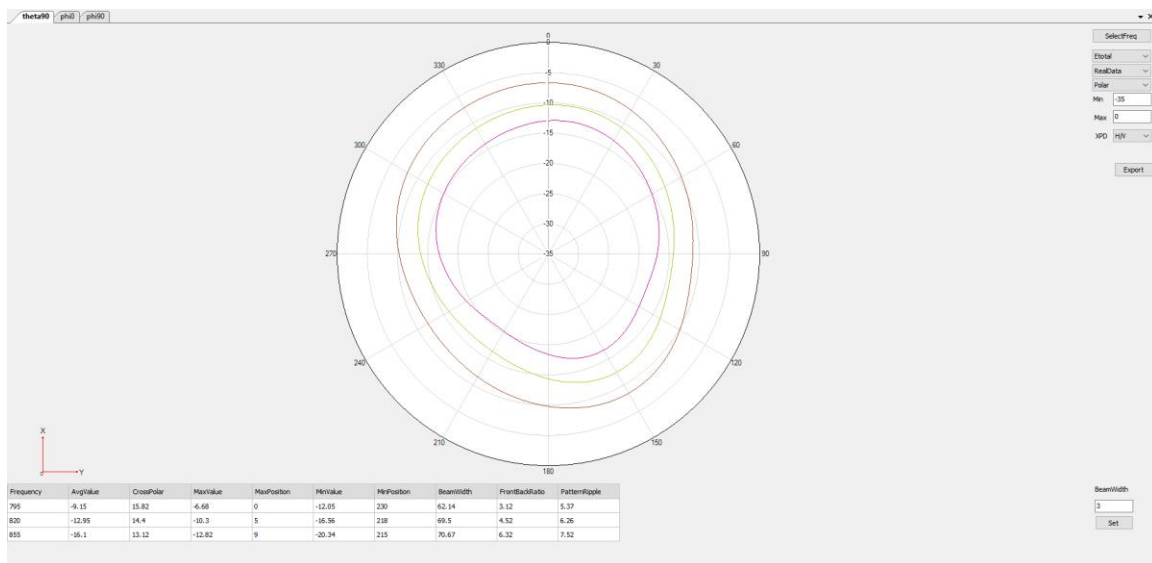
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LTE B20 NR n20 Phi=0deg



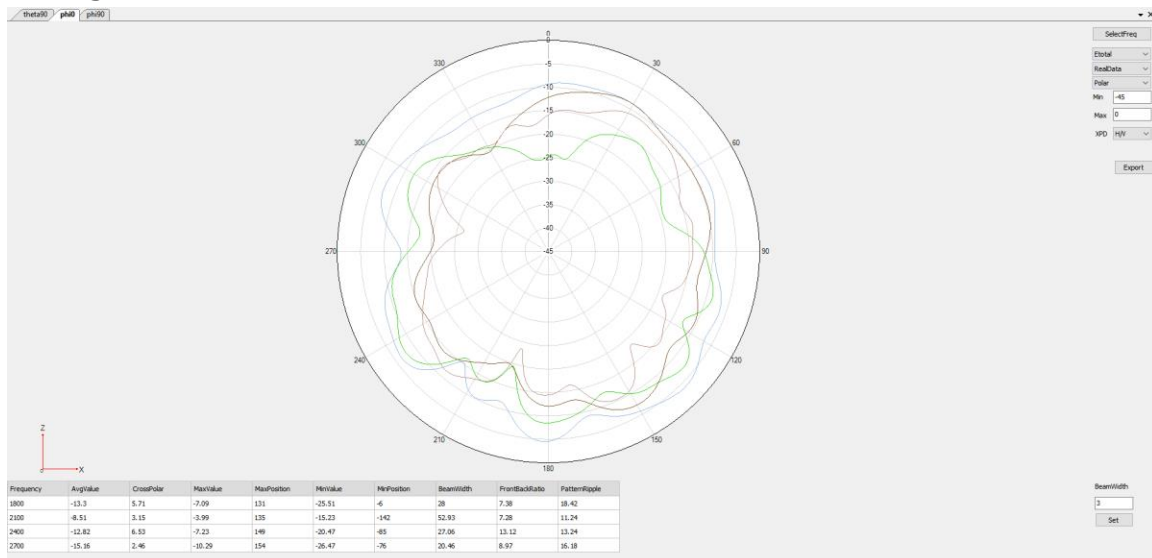
LTE B20 NR n20 Phi=90deg



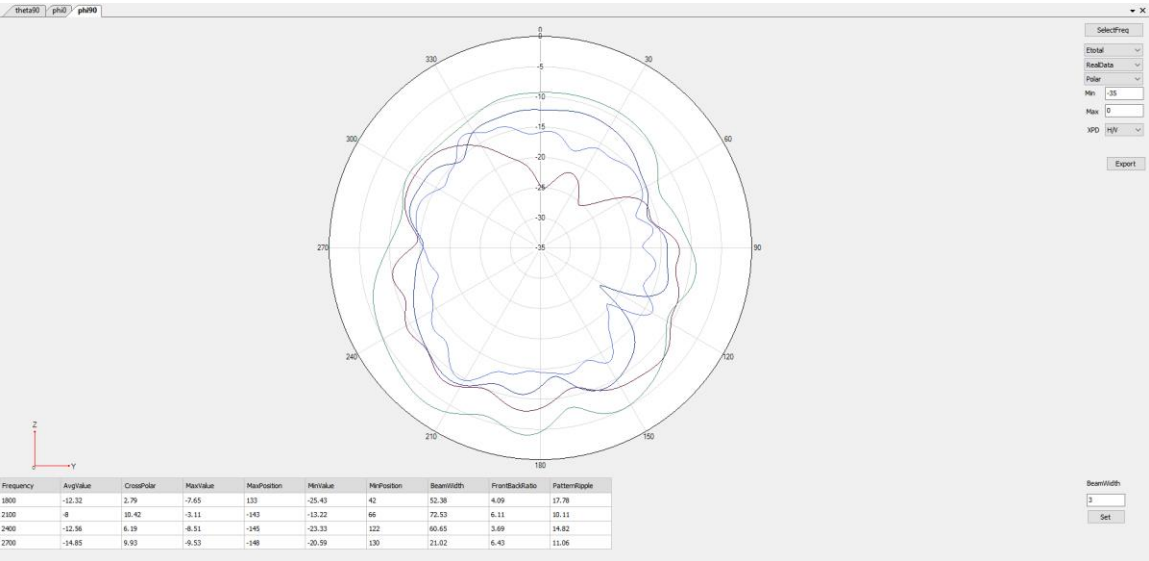
LTE B20 NR n20 Theta=90deg

※ Antenna Gain

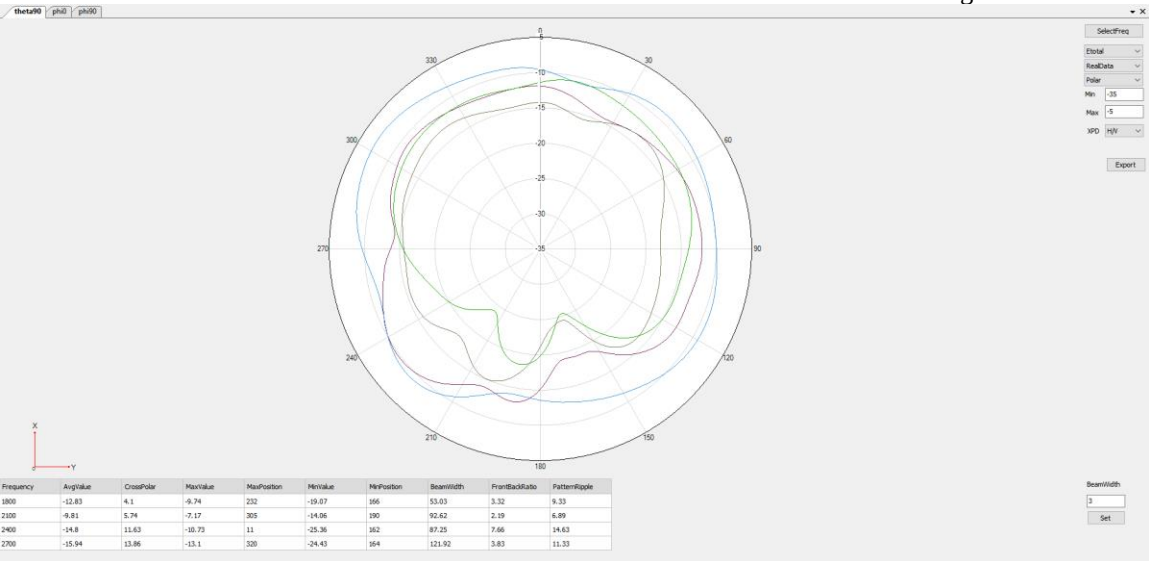
ANT5



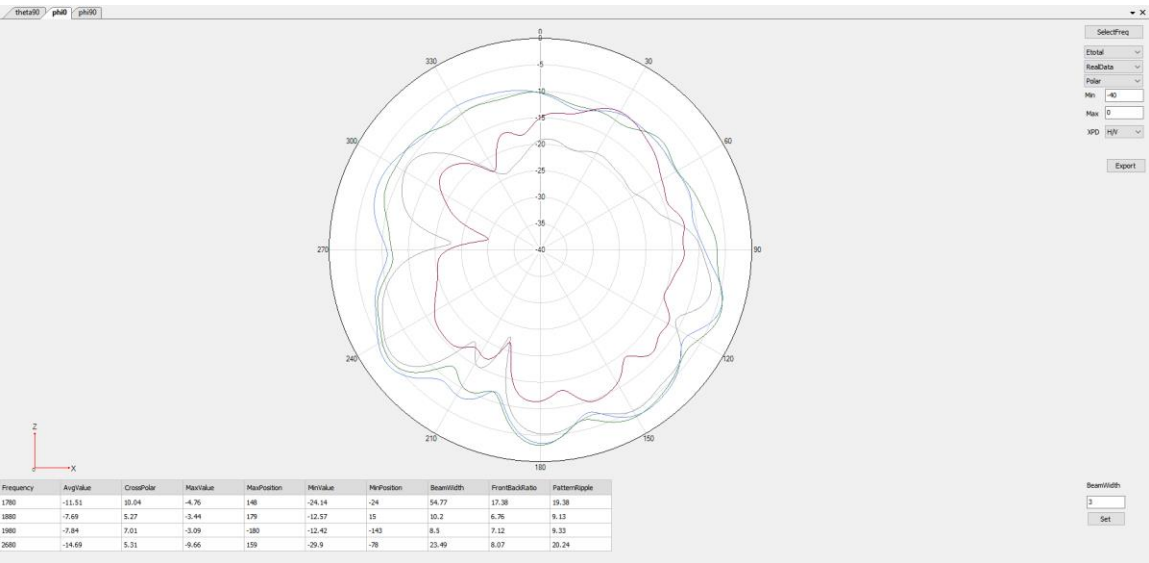
WCDMA B1/B4/LTE B1/B4/B7/B38/B41NR n1/n7/n38/n41 Phi=0deg



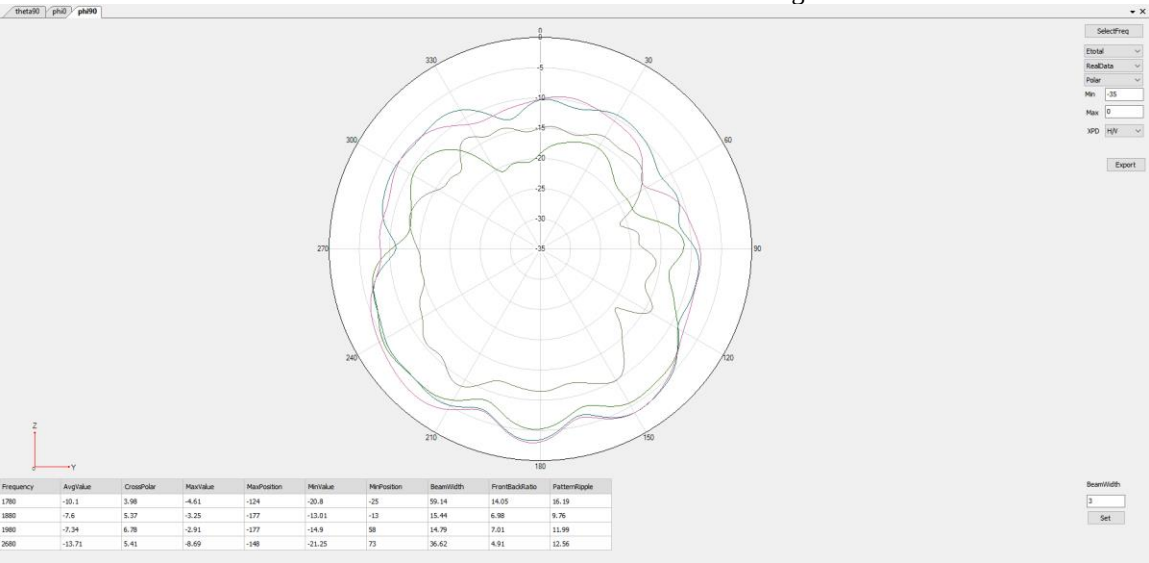
WCDMA B1/B4/LTE B1/B4/B7/B38/B41NR n1/n7/n38/n41 Phi=90deg



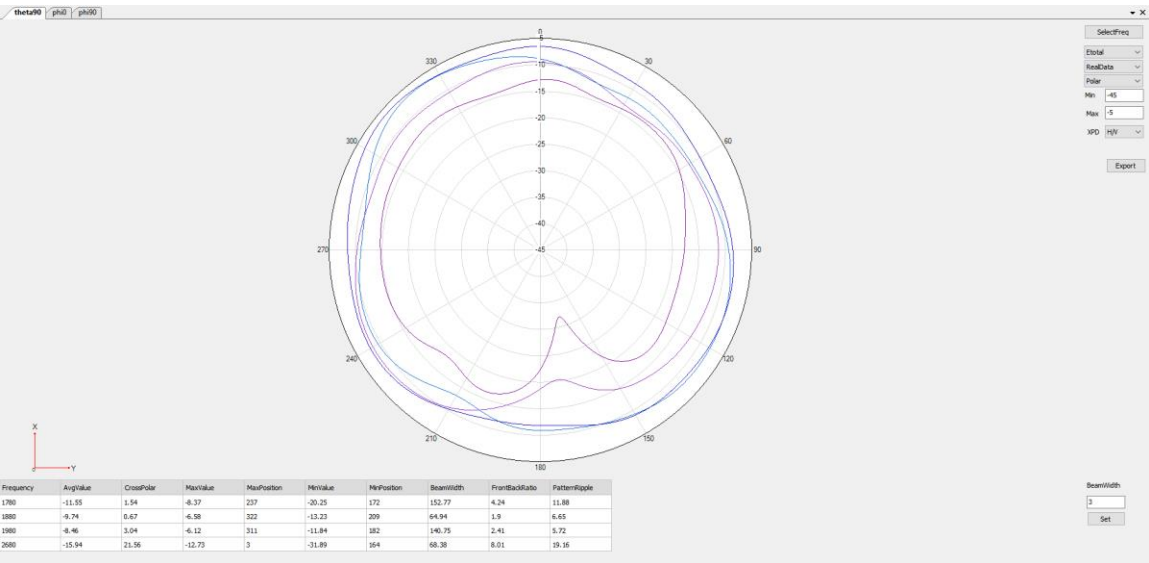
WCDMA B1/B4/LTE B1/B4/B7/B38/B41 NR n1/n7/n38/n41 Theta=90deg



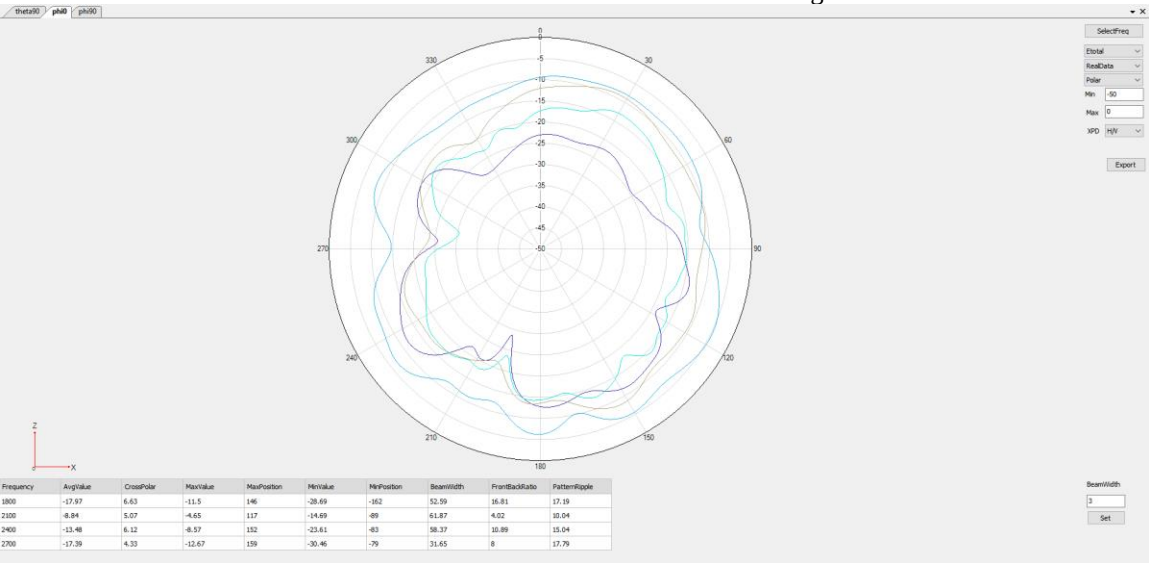
PCS/WCDMA B2/LTE B2/B3 Phi=0deg



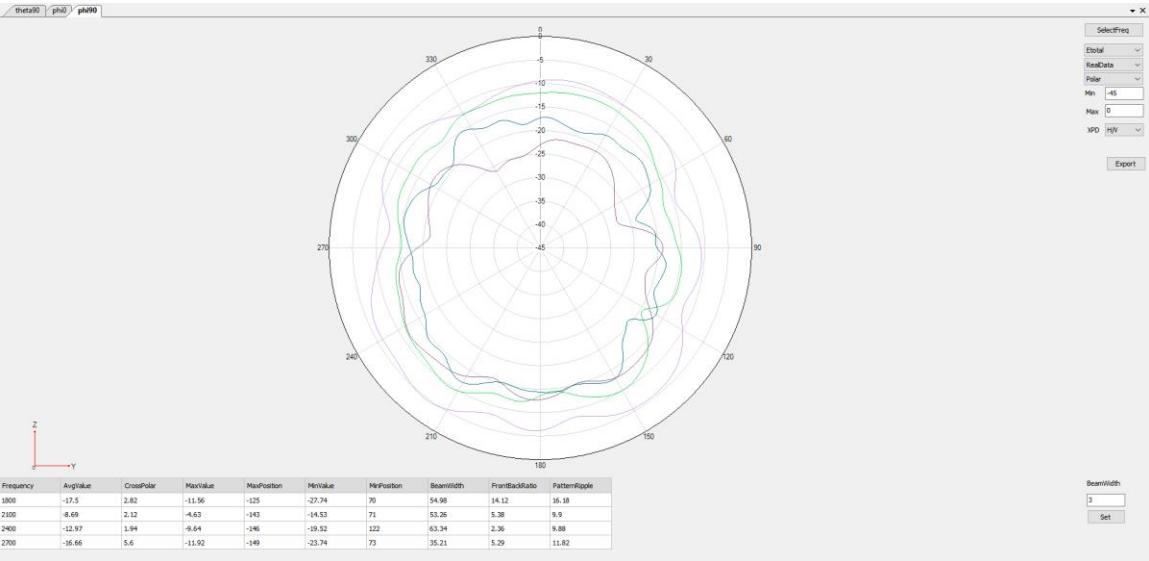
PCS/WCDMA B2/LTE B2/B3 Phi=90deg



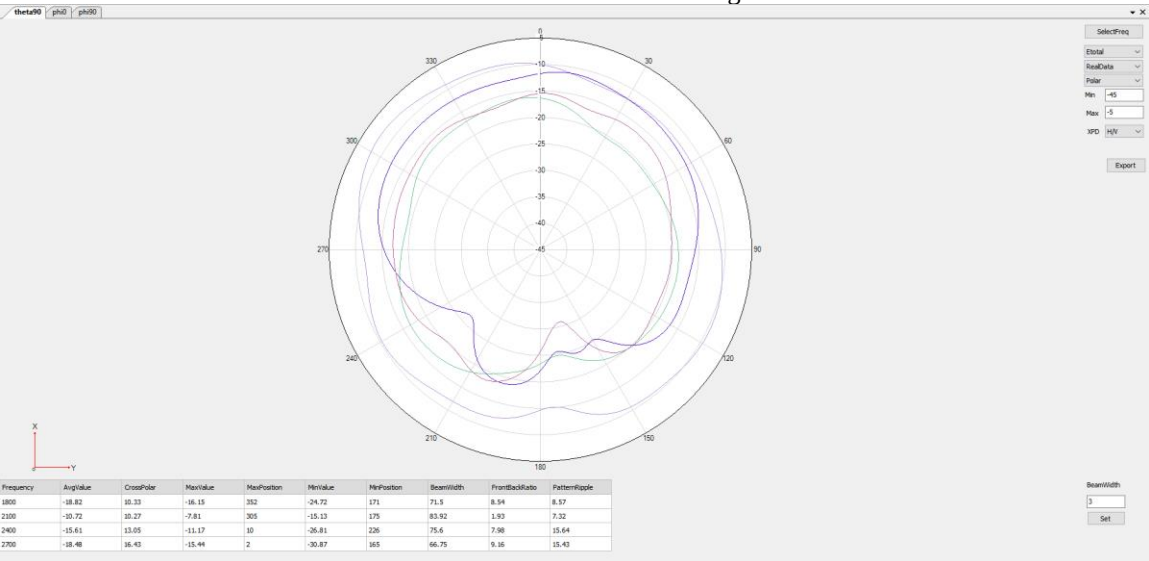
PCS/WCDMA B2/LTE B2/B3 Theta=90deg



LTE B40 NR n40 Phi=0deg



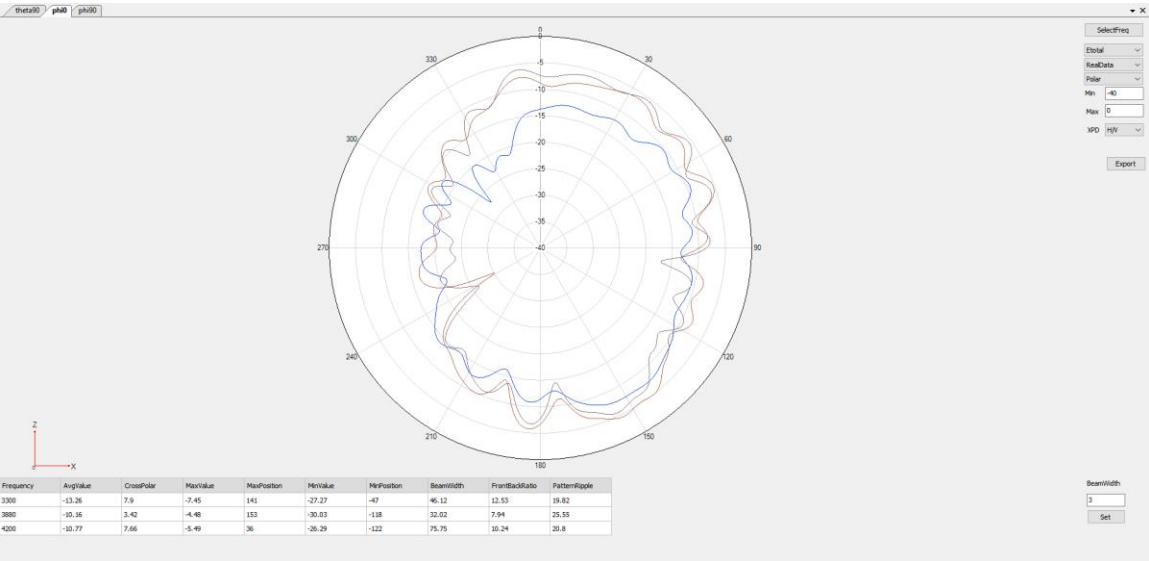
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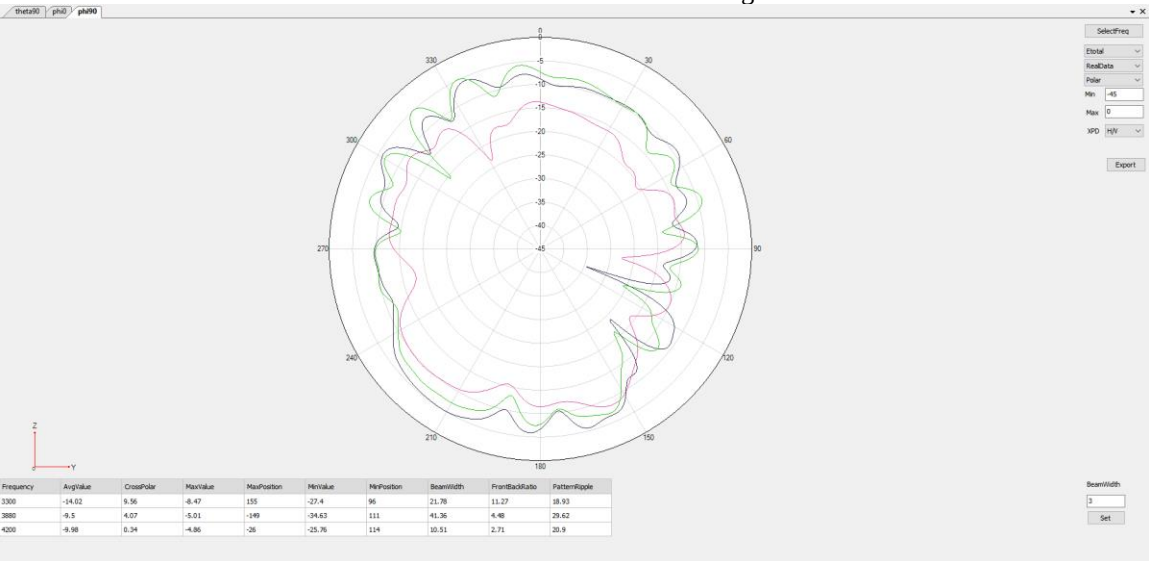
LTE B40 NR n40 Theta=90deg

※ Antenna Gain

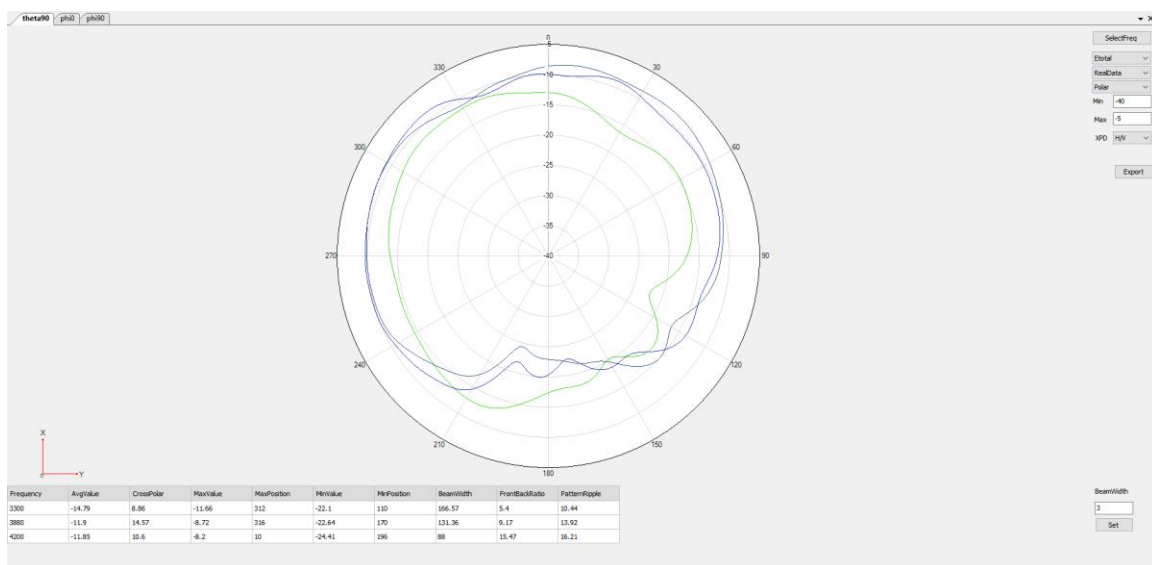
ANT6



LTEB42 NRN77/78 Phi=0deg



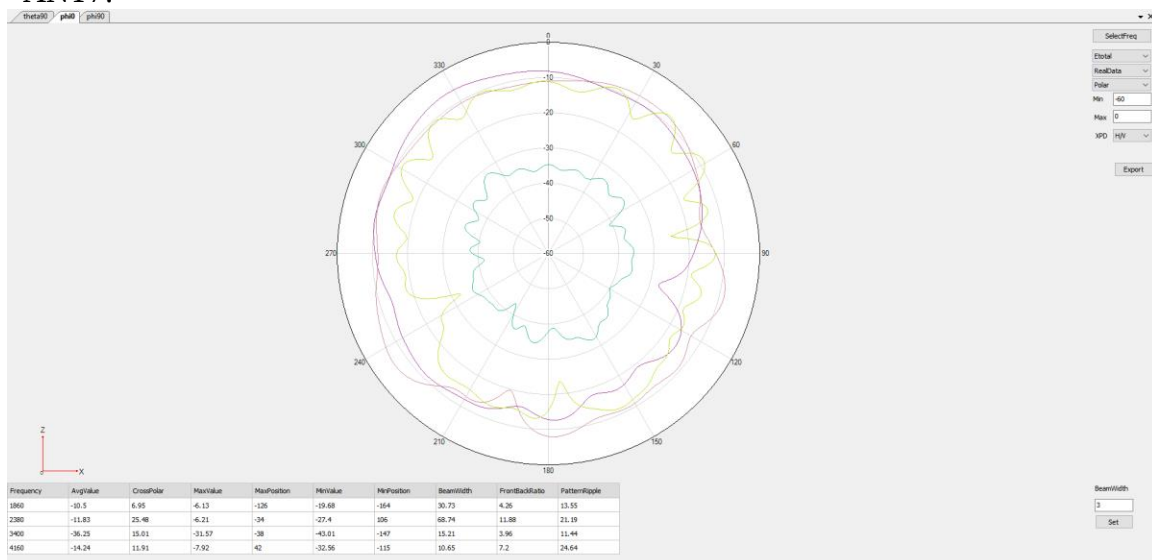
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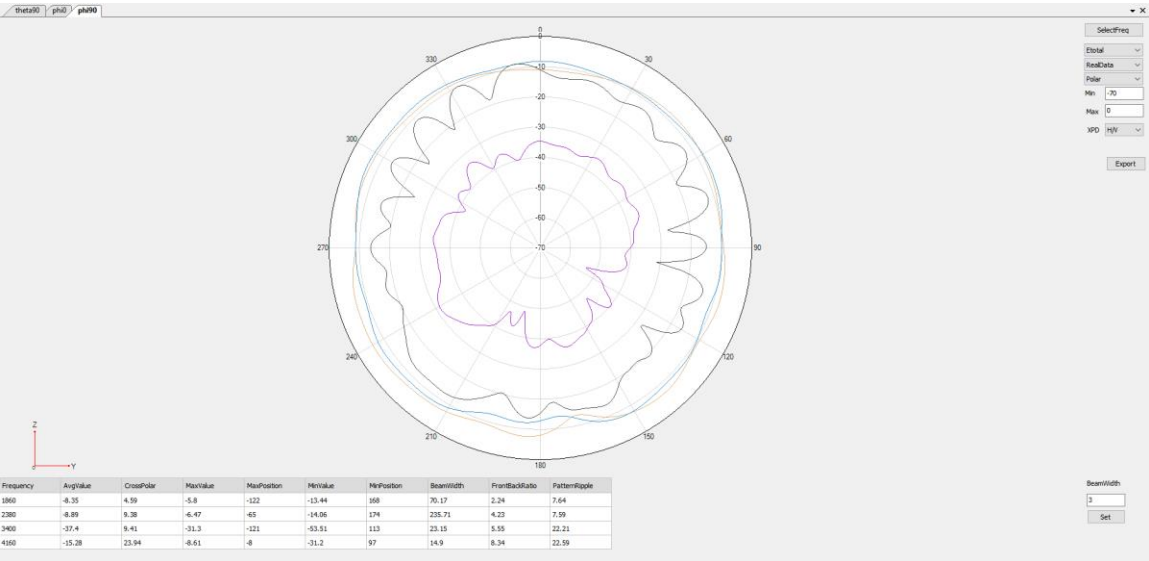
LTEB42 NRN77/78 Theta=90deg

※ Antenna Gain

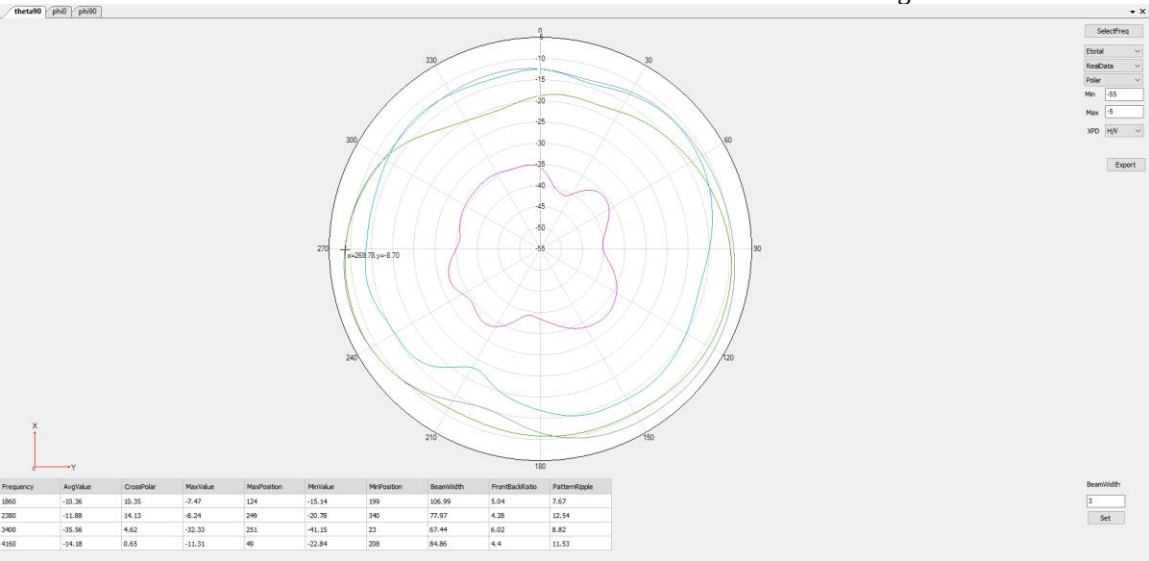
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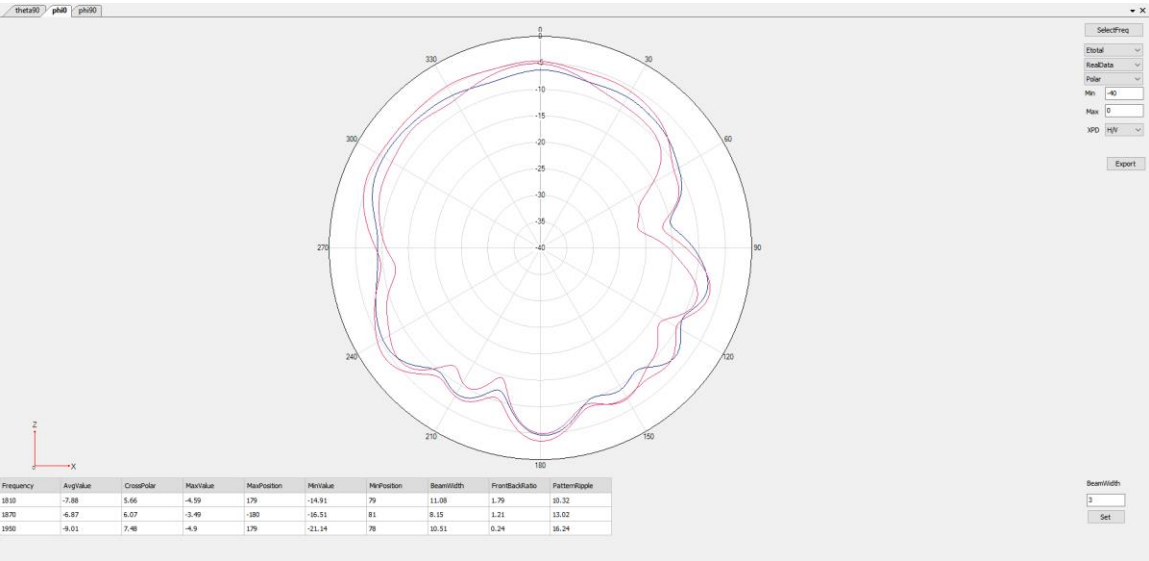
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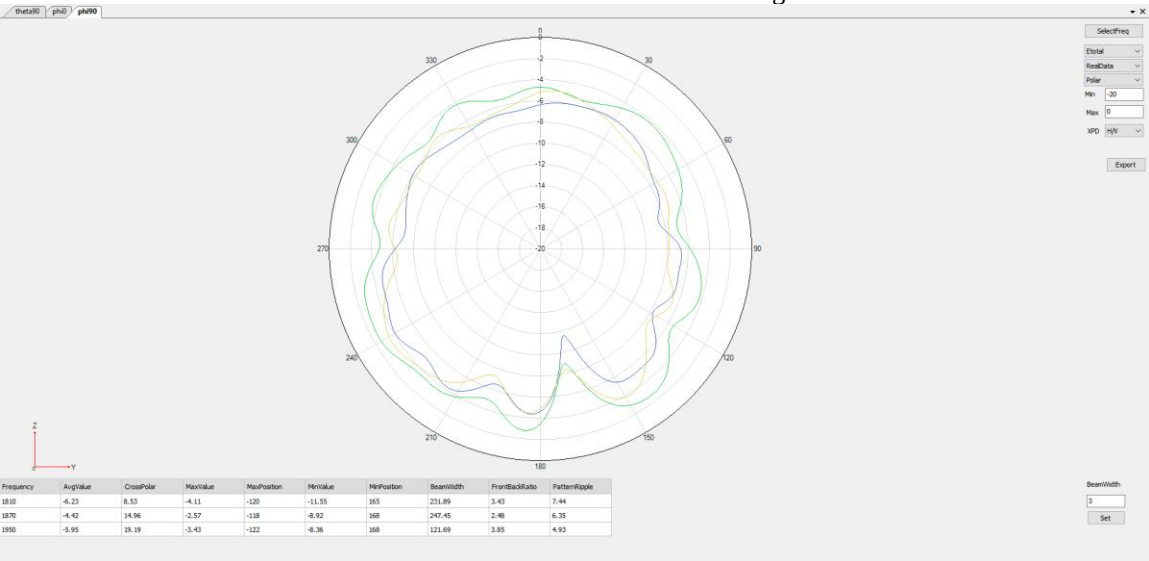
WCDMA B1/B4/LTE B1/B4/B66 NR n1/n4/n66 Phi=90deg



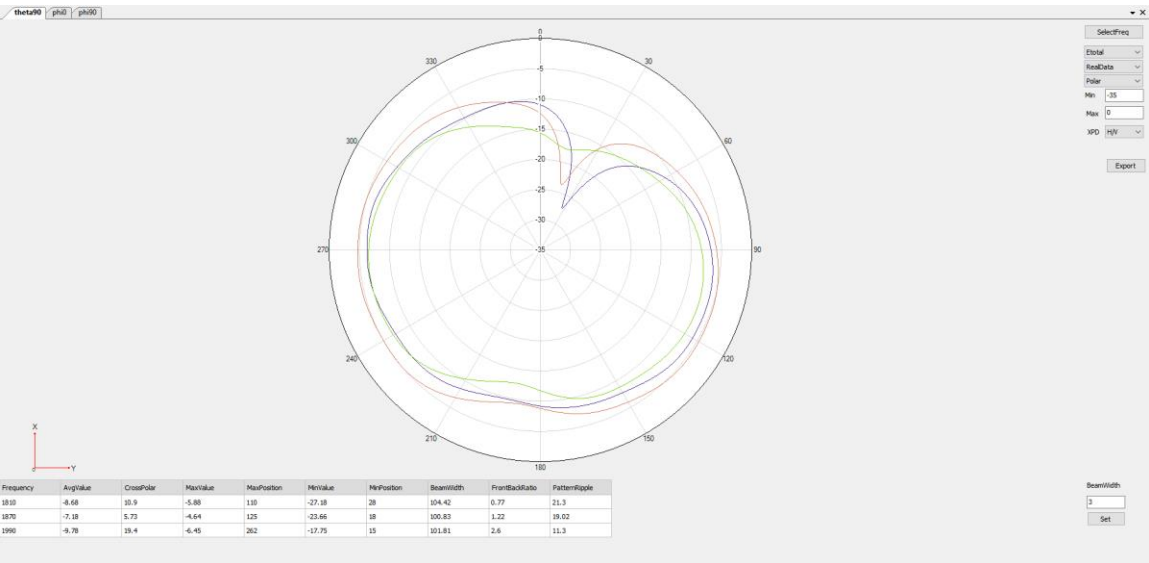
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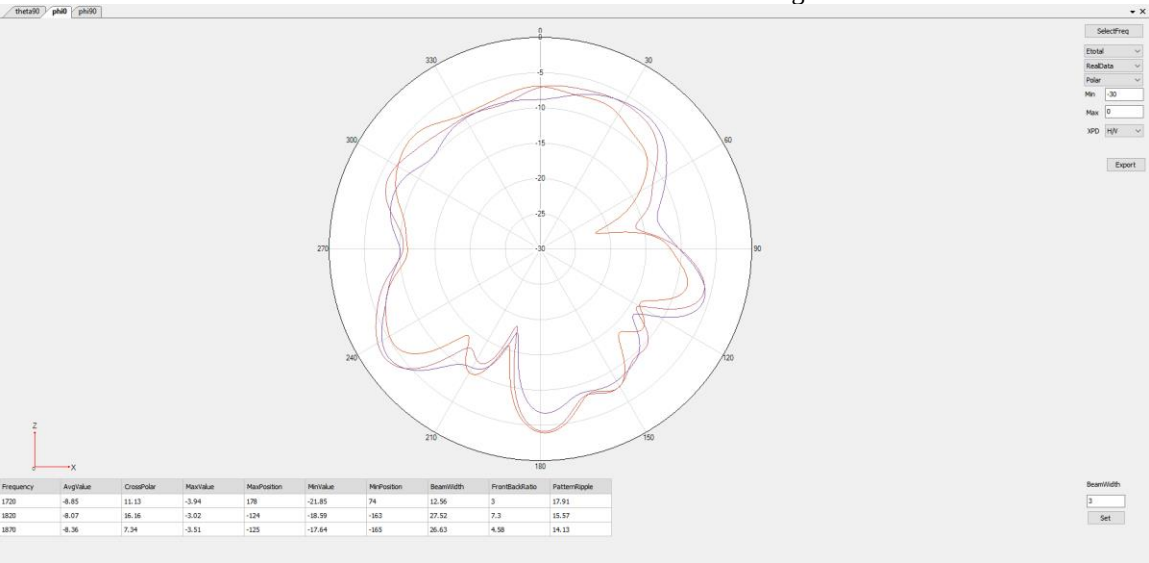
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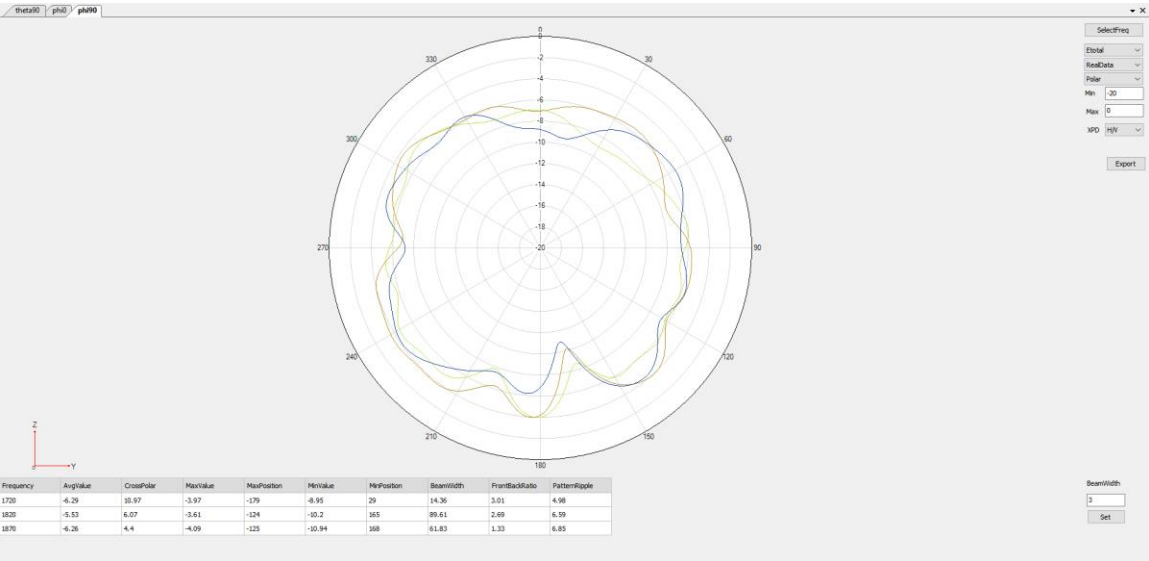
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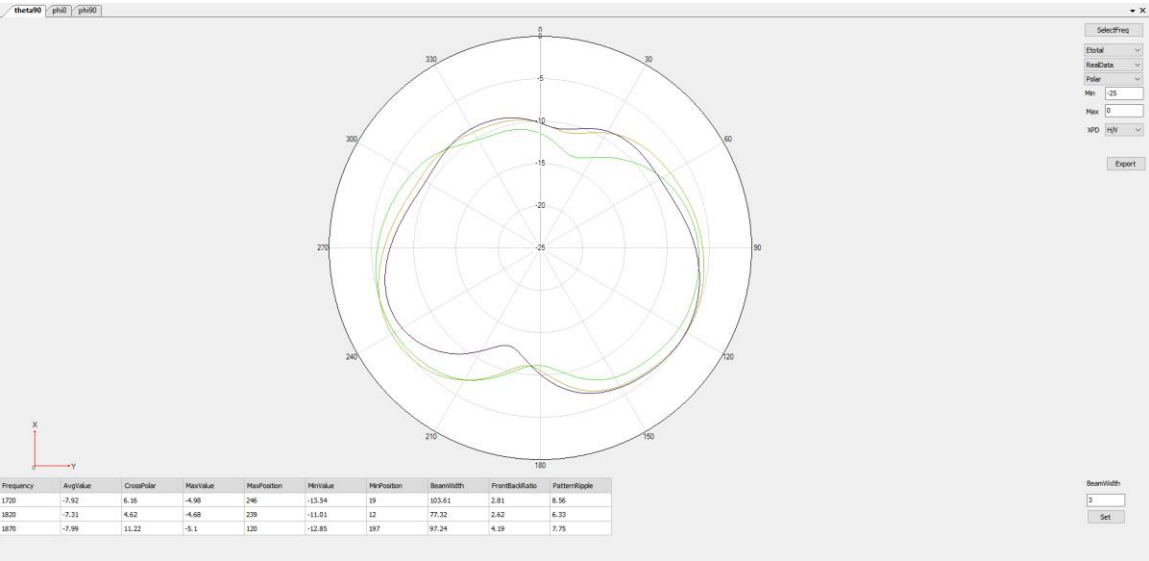
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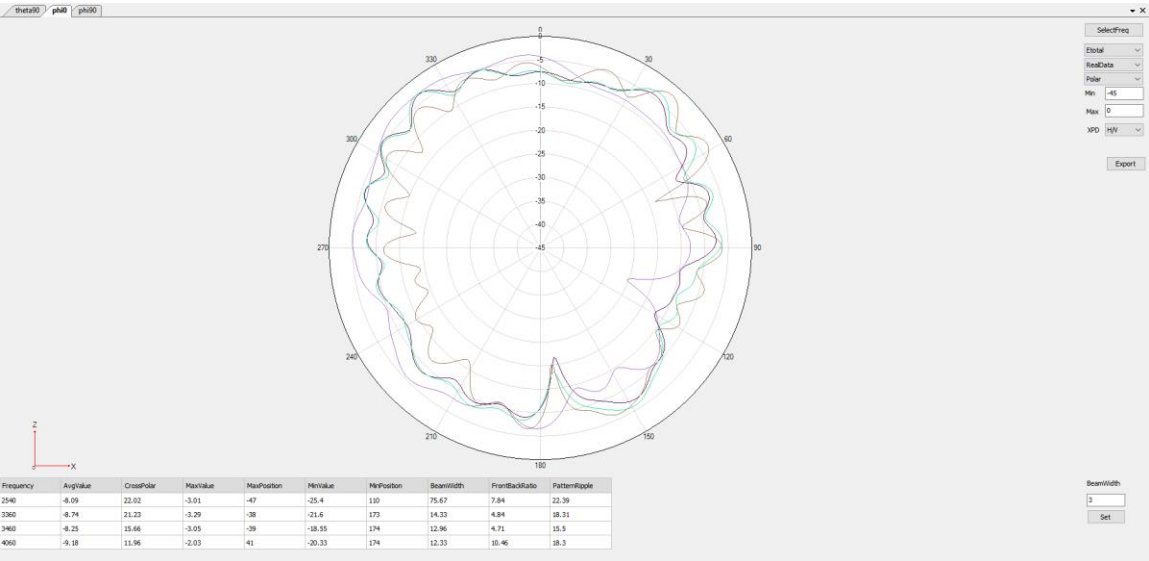
DCS /LTE B3/NR n3 Phi=0deg



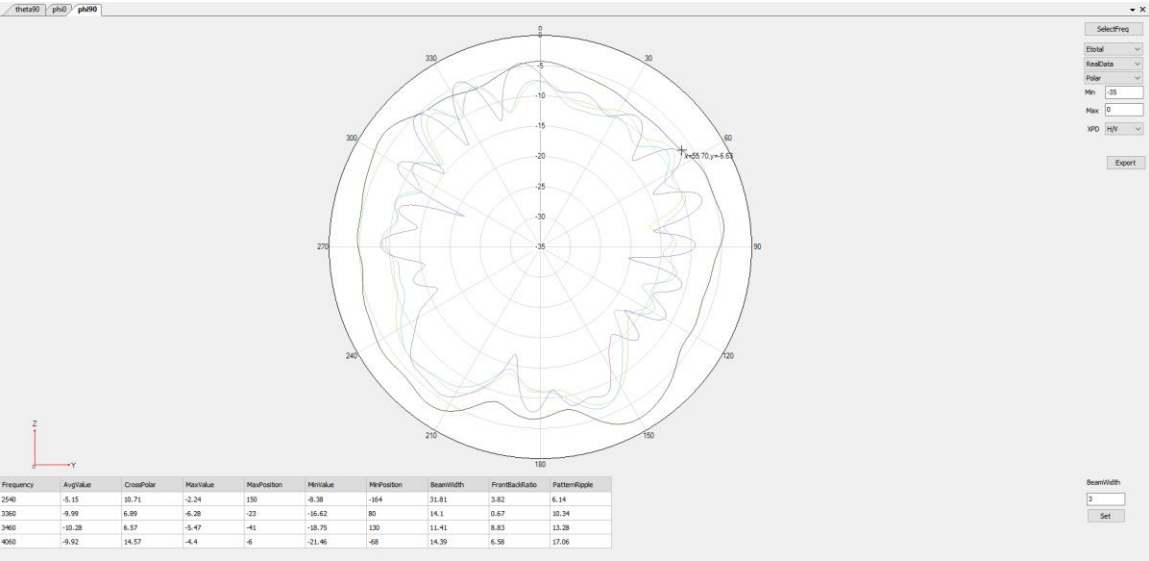
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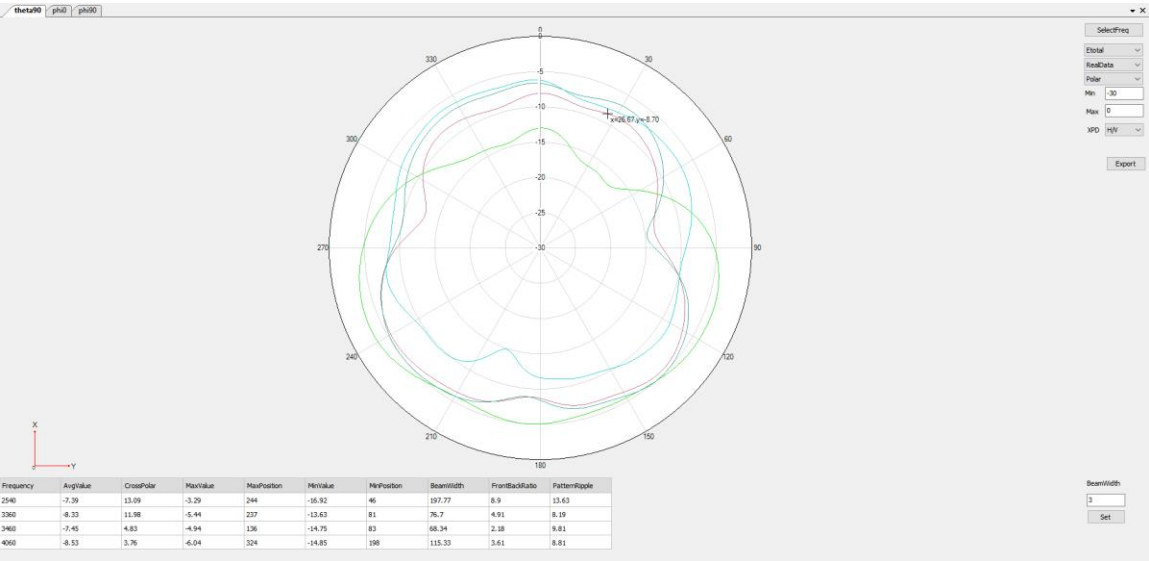
DCS /LTE B3/NR n3 Theta=90deg



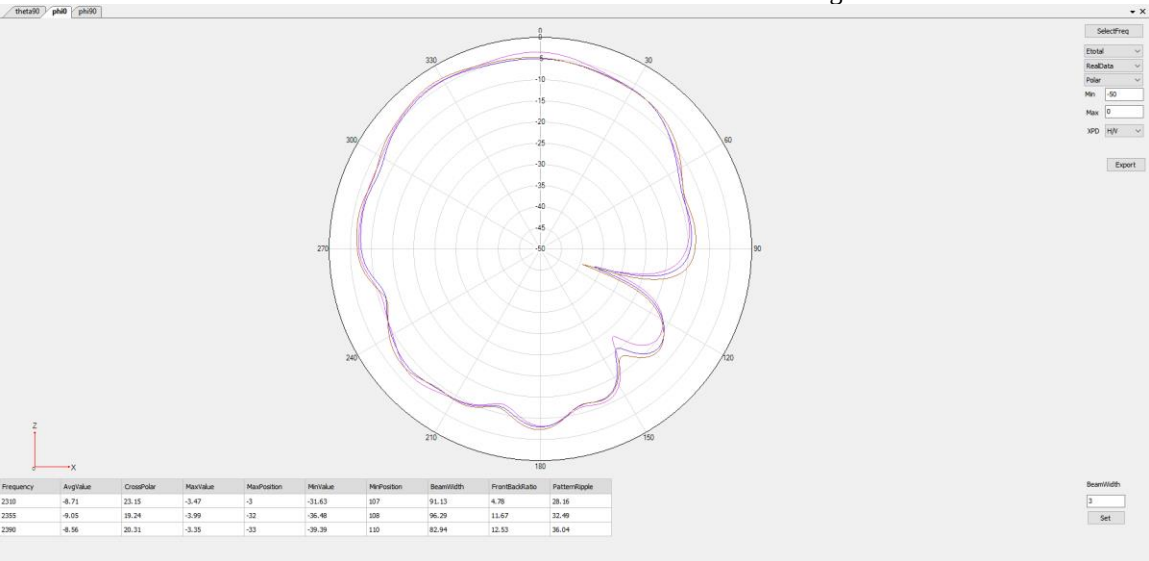
LTE B7/ B41/B38 NR n7/n41/n38 Phi=0deg



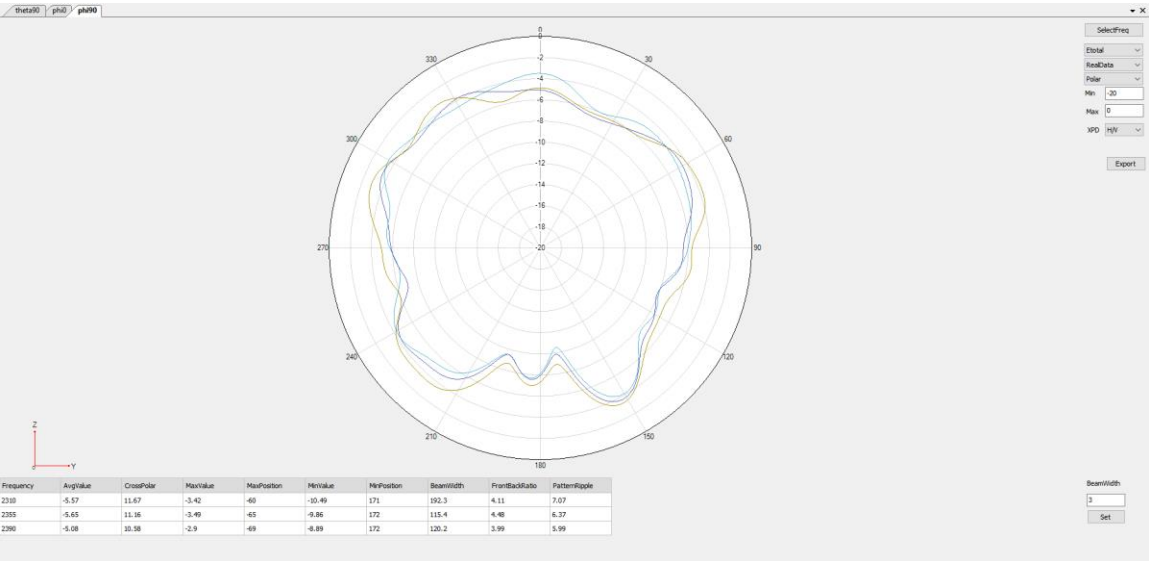
LTE B7/ B41/B38 NR n7/n41/n38 Phi=90deg



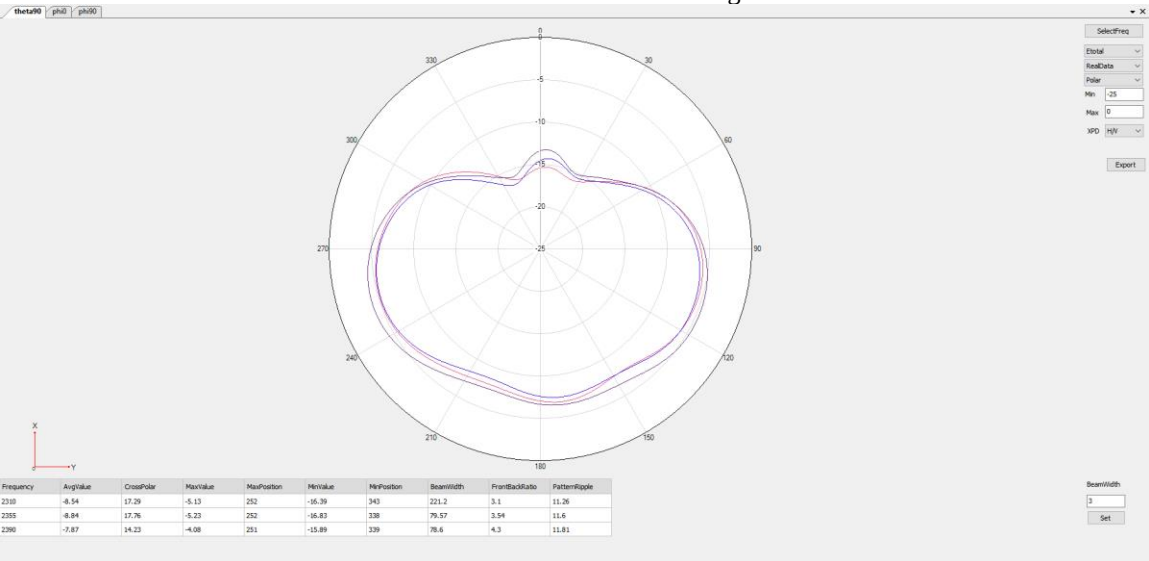
LTE B7 /B41/B38 NR n7/n41/n38 Theta=90deg



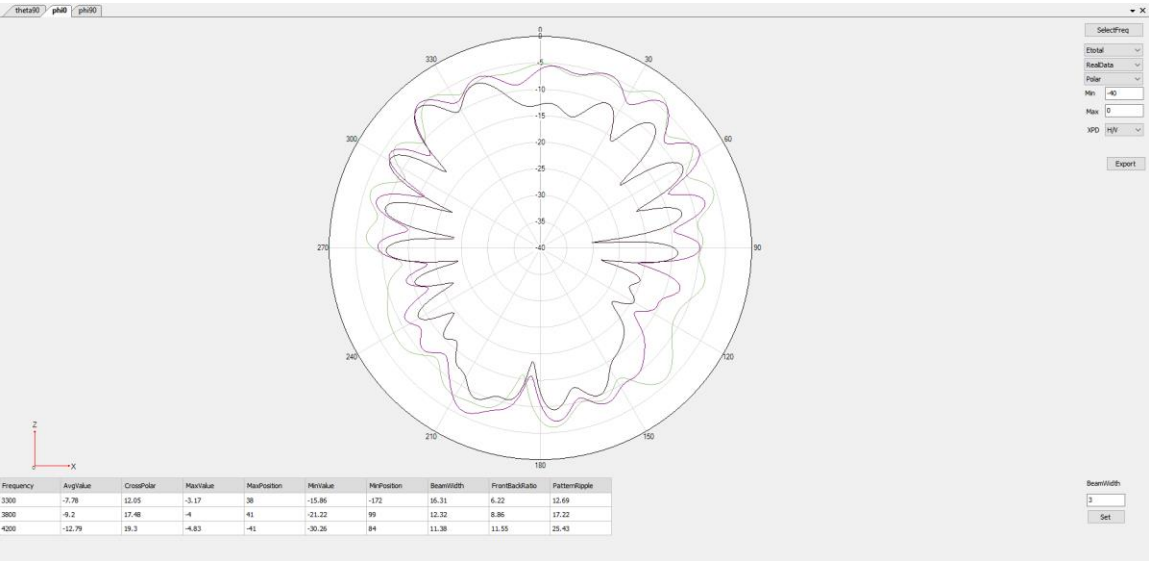
LTE B40 NRn40 Phi=0deg



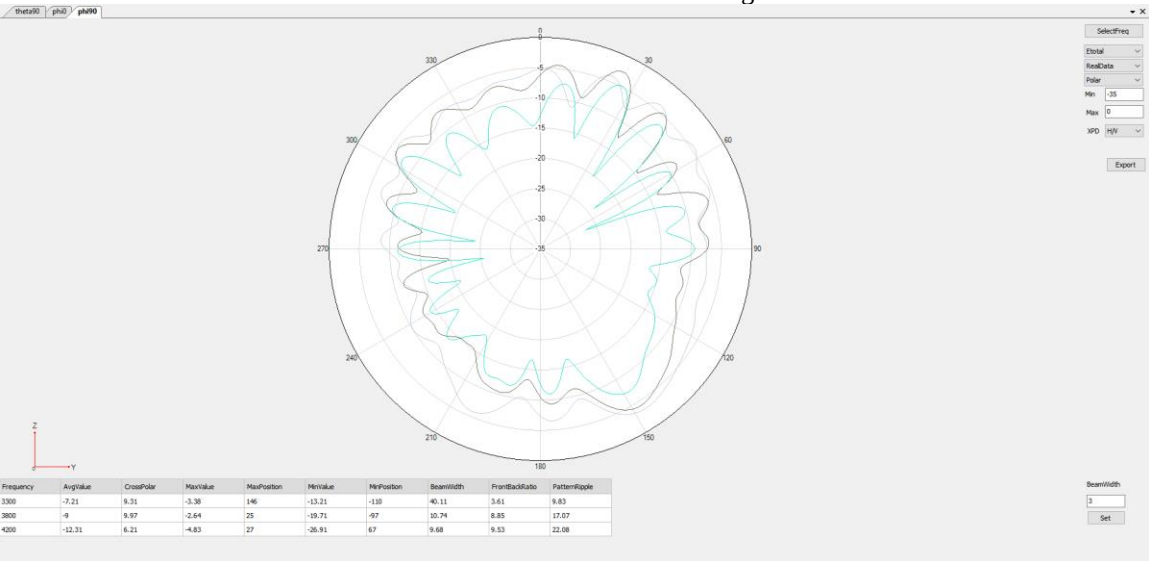
LTE B40 NR n40 Phi=90deg



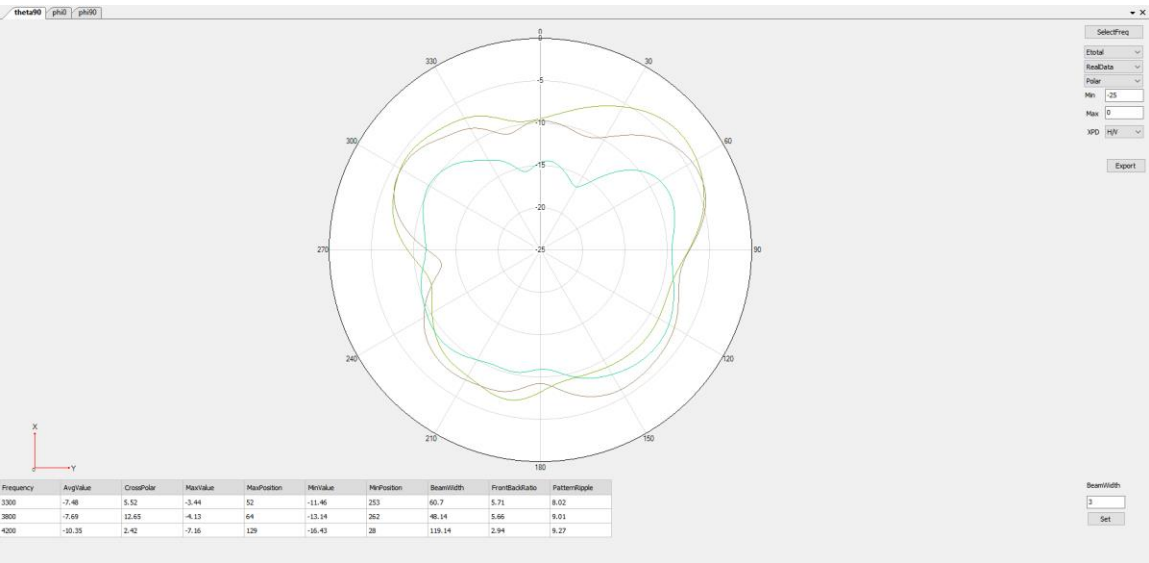
LTE B40 NR n40 Theta=90deg



LTEB42 NRN77/78 Phi=0deg



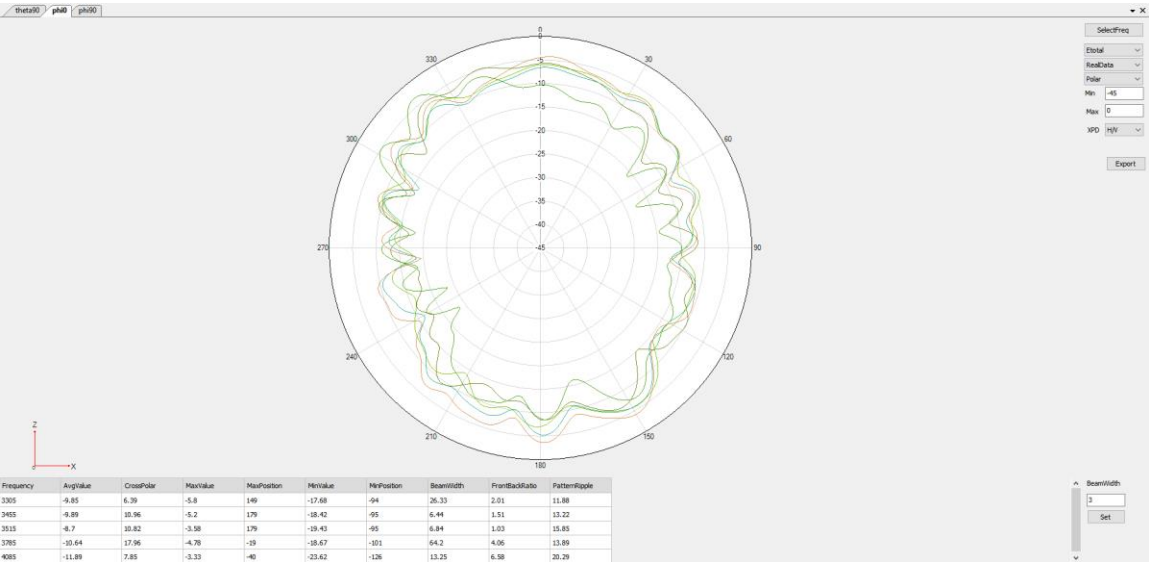
LTEB42 NRN77/78 Phi=90deg



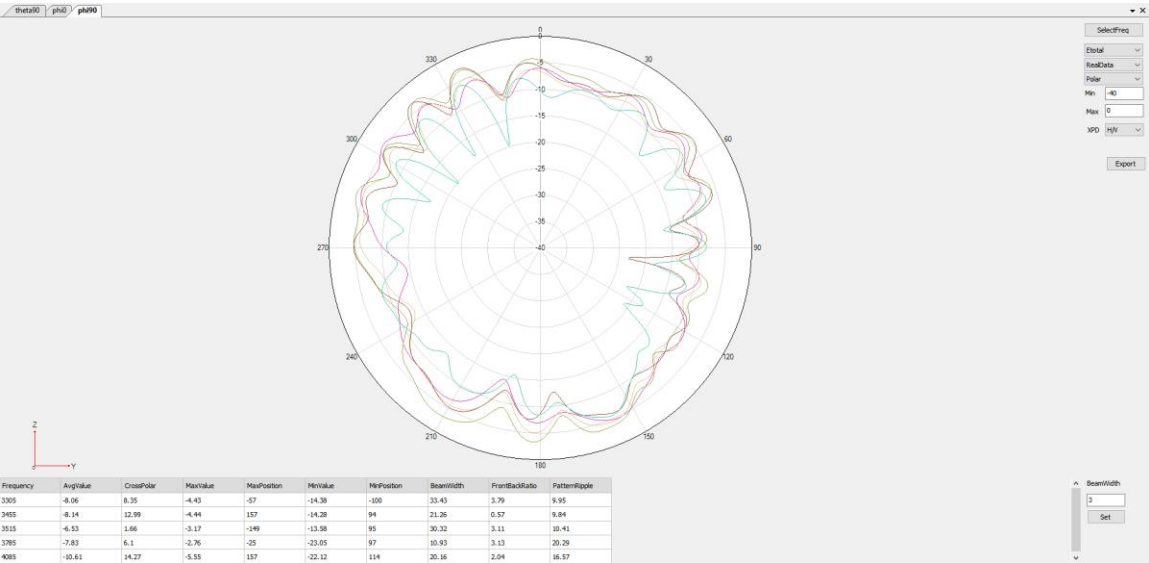
LTEB42 NRn77/78 Theta=90deg

※ Antenna Gain

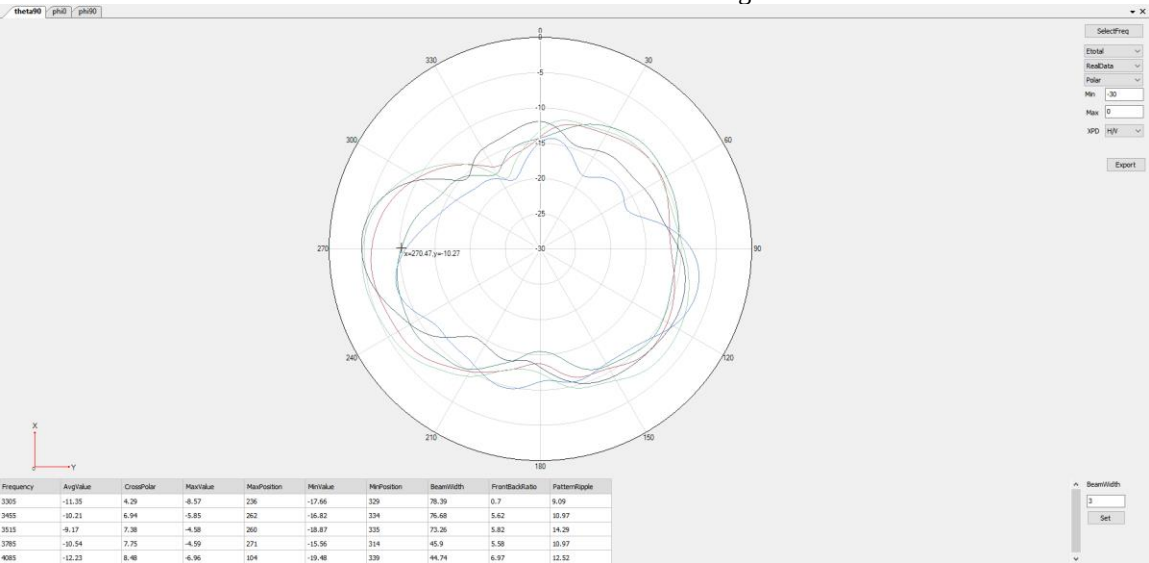
Ant8



LTEB42NRn77/78Phi=0deg



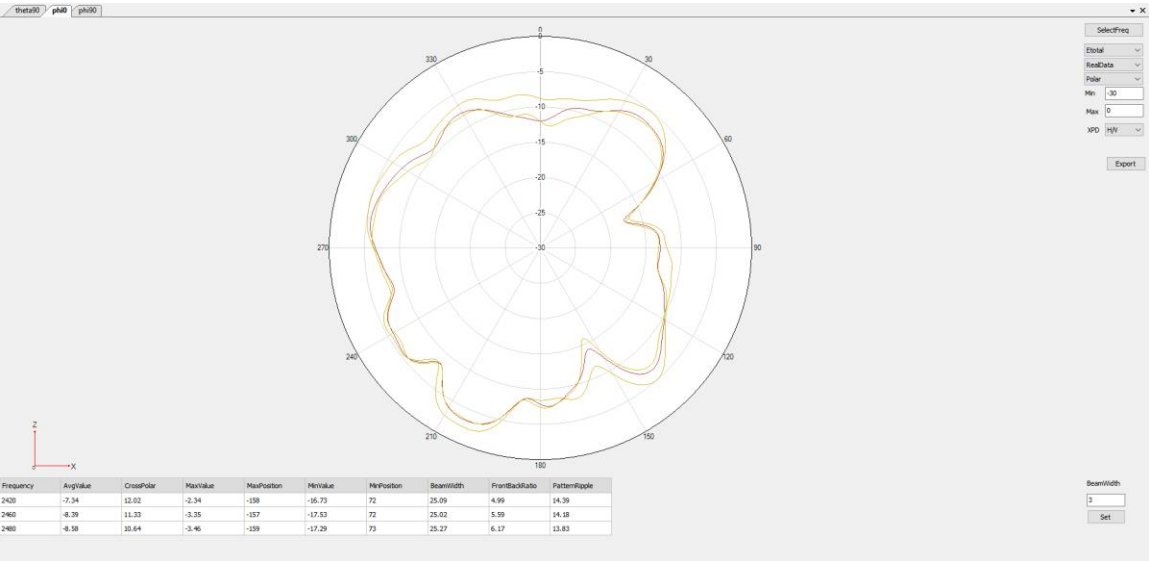
LTEB42 NRn77/78 Phi=90deg



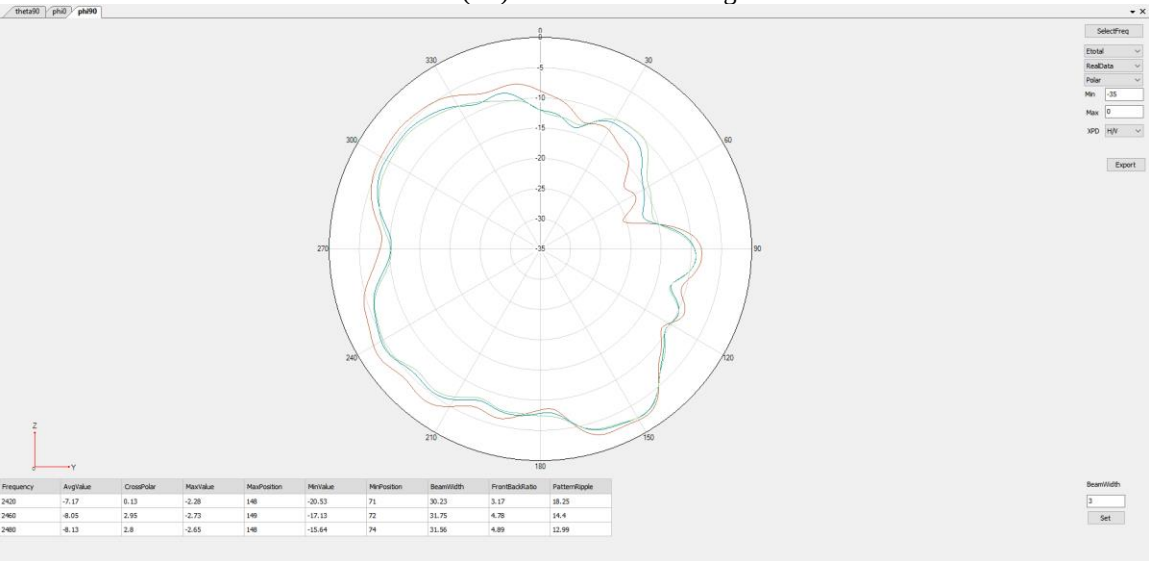
LTEB42 NRn77/78 Theta=90deg

※ Antenna Gain

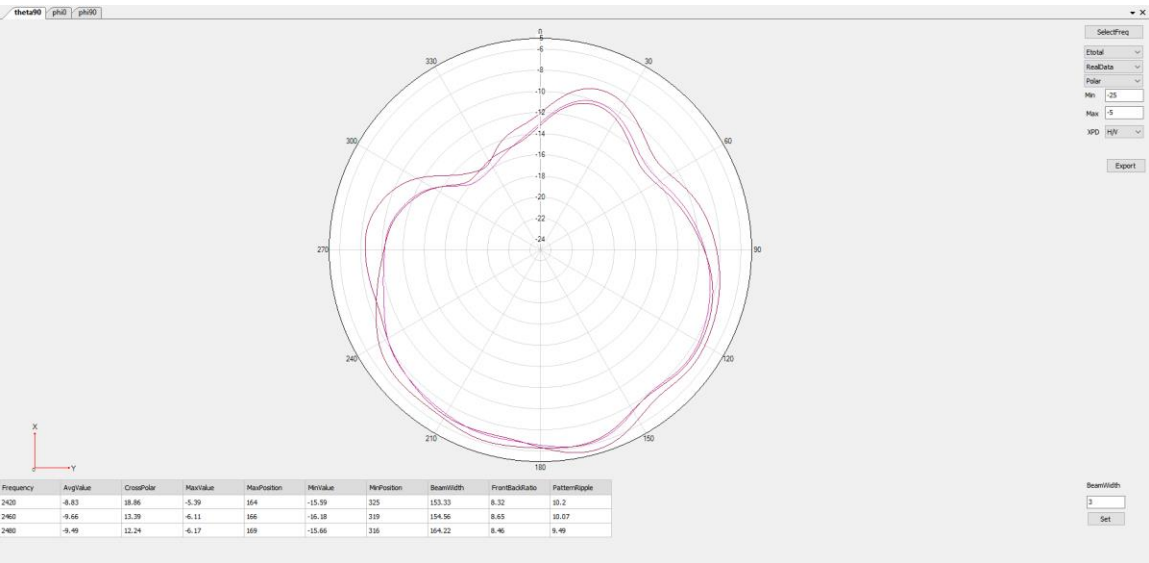
Ant12



GPS(L1)/WIFI2.4 Phi=0deg



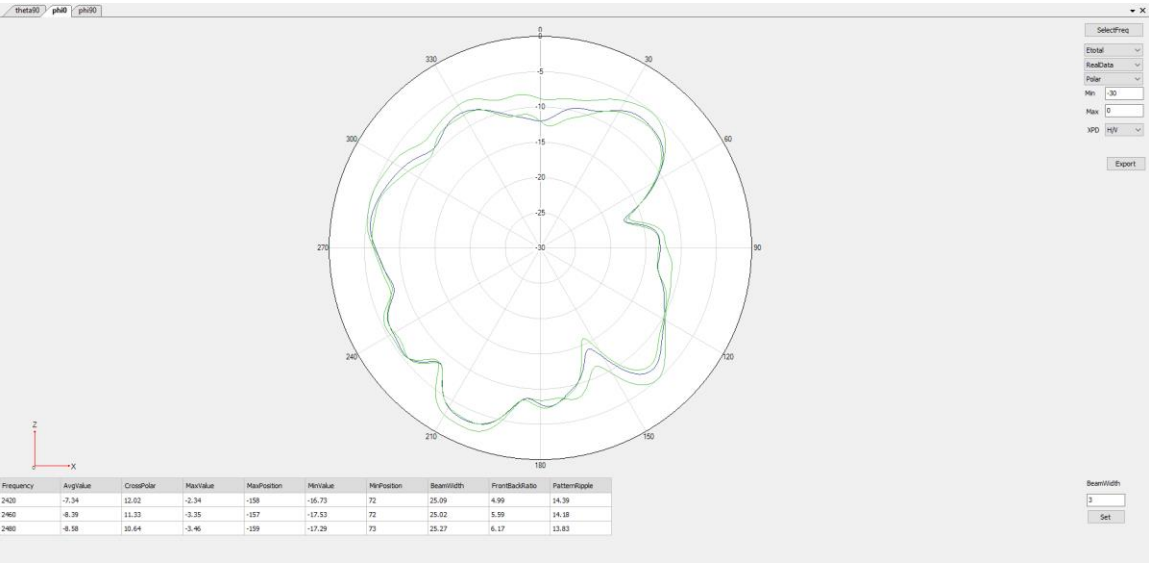
GPS(L1)/WIFI2.4Phi=90deg



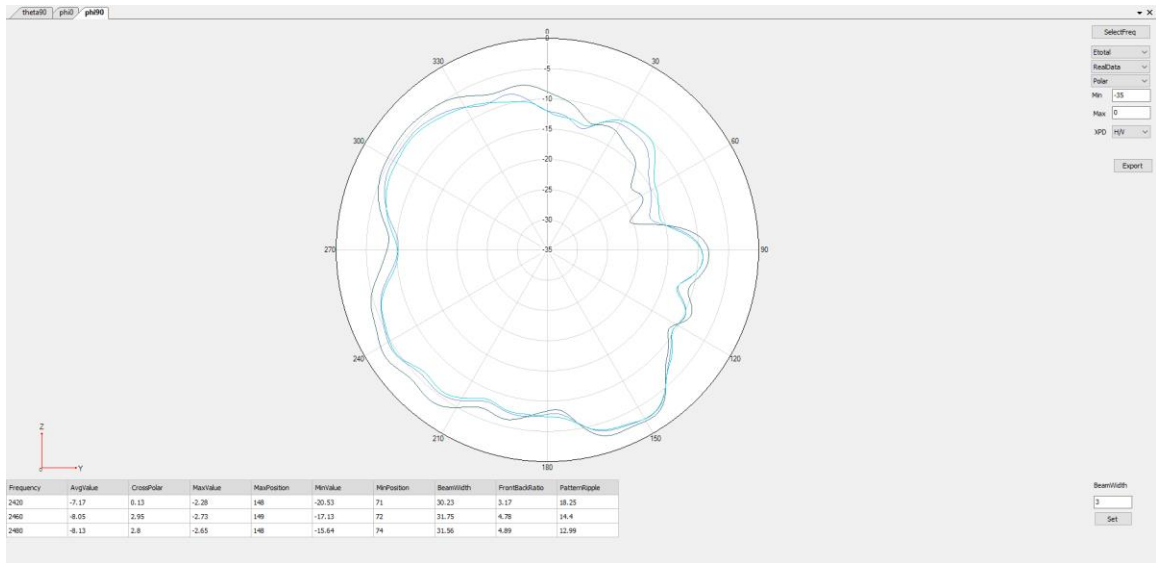
GPS(L1)/WIFI2.4 Theta=90deg

※ Antenna Gain

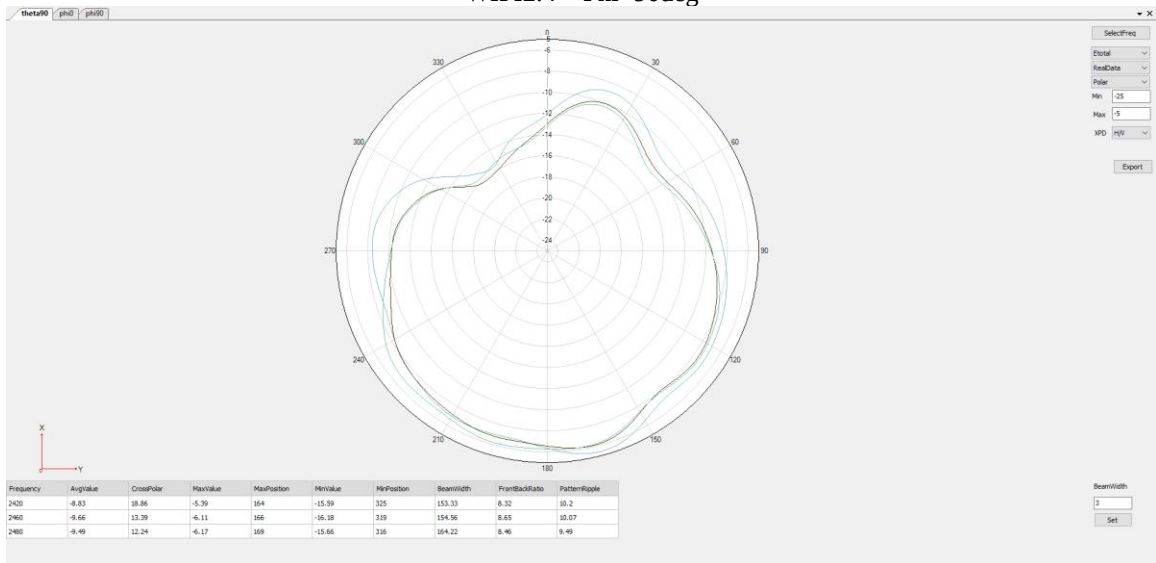
Ant13



WIFI2.4 Phi=0deg



WIFI2.4 Phi=90deg



WIFI2.4 Theta=90deg

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	2025/2/21